

19980210.qrp v00_n997.qrs.980210

Date: Tue, 10 Feb 1998 19:03:11 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 997

QRP-L Digest 997

Topics covered in this issue include:

- 1) [3446] Re: Grid Dip Meter-Test Equip
by Rick McNelly <72507.235@compuserve.com>
- 2) [3447] Grid Dip Meter or what?
by Tellefsen Bob-CNSE97 <cns97@lmpsil02.comm.mot.com>
- 3) [3448] Re: Grid Dip Meter-Test Equip
by "Ron Smith" <resmith@primenet.com>
- 4) [3449] Re: Grid Dip Meter-Test Equip
by Kory Hamzeh <kory@avatar.com>
- 5) [3450] logging programs
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 6) [3451] Re: Test Equipment
by Bob Bayha <rbayha@ix.netcom.com>
- 7) [3452] FOX ALERT
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 8) [3453] FYBO pictures
by Richard Powell <ripowell@mpna.com>
- 9) [3454] Help with ARCI Journal address change
by Dennis Terribile <wr4i@mindspring.com>
- 10) [3455] LICENSE RENEWAL
by QLF%mini@magic.itg.ti.com
- 11) [3456] PIC's and Hams
by "Adam B. Kanis" <adam-kanis@uiowa.edu>
- 12) [3457] RE: Slant-front project boxes
by Joseph Everhart <n2cx@voicenet.com>
- 13) [3458] Arkansas 40M QRP Net
by Jim <kj5tf@mctc.com>
- 14) [3459] February Austin QRP Club Meeting
by Glen Reid <k5hgb@flash.net>
- 15) [3460] Re: Help with ARCI Journal address change
by Monte Stark <ku7y@sage.dri.edu>
- 16) [3461] Re: How did you do?
by "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
- 17) [3462] RTTY Contest comming
by Monte Stark <ku7y@dri.edu>
- 18) [3463] SMite
by kc4mhm@juno.com
- 19) [3464] Bad CW on 3712 Khz?

- by n7mfb@juno.com (Bill Todd)
- 20) [3465] RE: pics, dsp, etc Scott Edwards Electronics
by "Buck, Preston D" <BuckPD@corning.com>
 - 21) [3466] Re: Bad CW on 3712 Khz?
by "Phillips Richard" <phillips@msoe.edu>
 - 22) [3467] FS - Autek QF-1 Filter
by "Gary M. - W2UX" <mail4gary@worldnet.att.net>
 - 23) [3468] Re: Help with ARCI Journal address change
by GERALDCUND@aol.com
 - 24) [3469] QRP rigs for 80?
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
 - 25) [3470] PIC Microcontrollers
by "Brian Jones" <brian_jones@uk.ibm.com>
 - 26) [3471] Tuna Tin2 Construction - On the Web soon
by KB9RPD@aol.com
 - 27) [3472] A receiver design without a detector
by Stanley Wilson <microres@crl.com>
 - 28) [3473] RE: LICENSE RENEWAL
by Kevin Muenzler <wb5rue@stic.net>
 - 29) [3474] Tektronix O'scope
by Stewart Whitehouse <STEW_W@compuserve.com>
 - 30) [3475] EMTECH ZM-2 Comments (long)
by Joe Everhart <n2cx@voicenet.com>
 - 31) [3476] TEK 422
by Ed Tanton <n4xy@bellsouth.net>
 - 32) [3477] Last call...Ten-Tec group purchase ends 02/11/1998
by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
 - 33) [3478] Re: One Way Skip - DX -- FRUSTRATION\!
by Zack Lau <zlau@arrl.org>
 - 34) [3479] net.admin / ISP admin help off-line
by Niel Skousen <nskousen@scientech.com>
 - 35) [3480] Re: EMTECH ZM-2 Comments (long)
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
 - 36) [3481] CW Exam question
by Stephen Krosner <skrosner@mindspring.com>
 - 37) [3482] Re: LICENSE RENEWAL
by "Arthur Moe" <kb7ww@chatusa.com>
 - 38) [3483] N5ZGT FYBO Report
by n5zgt@swcp.com (Brian Mileschosky)
 - 39) [3484] Re: Cutting metal
by Monte Stark <ku7y@sage.dri.edu>
 - 40) [3485] Re: TEK 422
by Phil <k6ls@prolynx.com>
 - 41) [3486] Re: EMTECH ZM-2 Comments (long)
by Michael Maiorana <mikemo@ibm.net>
 - 42) [3487] BUILD this receiver...Part 5 (end)
by Glen Leinweber <leinwebe@mcmail.CIS.McMaster.CA>
 - 43) [3488] Many Thanks

- by "Joseph street 1635" <joseph.street@comdev.ca>
- 44) [3489] Re: Test Equipment
by Leon Heller <leon@lfheller.demon.co.uk>
- 45) [3490] o-scope tutorial
by Phil <k6ls@prolynx.com>
- 46) [3491] Re: CW Exam question
by KB9RPD@aol.com
- 47) [3492] "Back to the Future" web page
by "Heron, George" <G.Heron@dialogic.com>
- 48) [3493] Reginald A. Fessenden, 1866-1932
by "S. Lee" <slee@u.washington.edu>
- 49) [3494] Re: Test Equipment (signal generator)
by LYN WILLIAMS <designserv@ipass.net>
- 50) [3495] RE: Slanted front project boxes
by "Gene A. Williamson" <genewill@ordata.com>
- 51) [3496] Re: CW Exam question
by DENNISMO@aol.com
- 52) [3497] PICs and stuff (responses)
by Laura Halliday <ve7ldh@direct.ca>
- 53) [3498] Re: CW Exam question
by Bob Hightower <ki7mn@dancris.com>
- 54) [3499] 18 mHz operation
by Stanley Wilson <microres@crl.com>
- 55) [3500] Re: EMTECH ZM-2 Comments (long)
by "Bob Kellogg" <ae4ic@nr.infi.net>
- 56) [3501] NOGA (North Georgia QRP Group) Meeting
by Sam Billingsley <SBillingsley@usaninc.com>
- 57) [3502] R. Fessenden
by "Joseph street 1635" <joseph.street@comdev.ca>
- 58) [3503] Re: FYBO fun - palmtops/TRlog?
by Paul Erickson <paul1@wizard.ucs.sfu.ca>
- 59) [3504] Re: Tuna Tin2 Construction - On the Web soon
by Paul Harden <pharden@aoc.nrao.edu>
- 60) [3505] Maryland Milliwatts FYBO pix (plus my mobile shack!)
by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
- 61) [3506] RE: 18 mHz operation
by Kevin Muenzler <wb5rue@stic.net>
- 62) [3507] FYBO Tale de AB7TT (Long)
by Joe Gervais <vole@primenet.com>
- 63) [3508] RE: CW Exam question
by Kevin Muenzler <wb5rue@stic.net>
- 64) [3509] CW Exam question
by Stephen Krosner <skrosner@mindspring.com>
- 65) [3510] Re: CW Exam question
by Ed Loranger <we6w@qsl.net>
- 66) [3511] RE: RTTY Contest comming
by gregoire@endor.com
- 67) [3512] Re: FYBO Tale de AB7TT (Long)

by Ed Loranger <we6w@qsl.net>
68) [3513] Re: EMTECH ZM-2 Comments (Long)
by "W. D. (Doc) Lindsey" <70511.3041@compuserve.com>
69) [3514] Web page ready!
by KB9RPD@aol.com
70) [3515] QRPTTRF progressing
by mike@krypton.nmr.Hawaii.Edu (Mike W. Burger)
71) [3516] Re: CW Exam question
by "Michael A. Gipe" <mgipe@reliablemeters.com>
72) [3517] RFI Help
by Laird Jerman <ljerman@earthlink.net>
73) [3518] need xtal for pixie 2
by Roger Braker <msebrakr@telepath.com>
74) [3519] Re: RFI Help
by Ed Loranger <we6w@qsl.net>
75) [3520] license renewal via internet
by wj5o@juno.com (William H. Hays)
76) [3521] Re: need xtal for pixie 2
by "G.R. Widmayer" <grwidma@edcen.ehhs.cmich.edu>
77) [3522] Who wanted the ZN414?
by Steven Weber <kd1jv@moose.ncia.net>
78) [3523] WTB:TT #285 Filtre
by "W. D. (Doc) Lindsey" <70511.3041@compuserve.com>
79) [3524] TRADE Viking II for GEN Cvg RCVR.
by Ed Loranger <we6w@qsl.net>

Date: Mon, 9 Feb 1998 19:19:26 -0500
From: Rick McNelly <72507.235@compuserve.com>
To: qrp-l@Lehigh.EDU
Subject: [3446] Re: Grid Dip Meter-Test Equip
Message-ID: <199802091922_MC2-32A5-35A7@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Wow!

What a response from the list! The general consensus was to pass on a GDO (and several advised me that \$50 or \$60 was too much!) and to get a SWR analyzer (even split btwn RF-1 and 259) instead. Or to save up and get a dedicated Frq Counter, then an RF sig gen.

Is the Freq Counter built in to the MFJ-259 sensitive / accurate enough for use as a bench counter for a kit-builder / budding homebrewer? What about those handheld frq Counters with the telescoping whip on top? Someone said Radio

Shack had last years model on sale for \$40.

Seems like you could use the RF gen in the 259 too. Check the cutoff freq of a low pass filter by injecting RF with the 259 and monitoring the output on my scope? Would this work?

72/73's,

--Rick, KE4IZH

Chesapeake, Va.

Date: Mon, 9 Feb 1998 18:31:44 -0600
From: Tellefsen Bob-CNSE97 <cnse97@lmpsil02.comm.mot.com>
To: 72507.235@compuserve.com
Cc: QRP-L list <QRP-L@Lehigh.EDU>
Subject: [3447] Grid Dip Meter or what?
Message-ID: <351A2DFAE256D111883A0060B06B16622A02F1@s-il02-j.comm.mot.com>
MIME-Version: 1.0
Content-Type: text/plain

Rick:

I suggest the Autek RF-1 Analyzer for several reasons.

For building, it measures L and C at the frequency of use, unlike many L/C meters.

You can use it as a signal generator, although the signal is admittedly not a pure sine wave :-) The manual also shows an indirect way to measure inductor Q.

The digital display is accurate enough for most homebuilt projects. It isn't a counter, but if you can beat the RF-1 signal against an unknown, you can get the frequency pretty close. (Now, class, how close is close enough?)

For antenna work, the RF-1 can be used to measure the resonant frequency of your antenna. It will show the impedance at the point of measurement (not necessarily the antenna feedpoint impedance). It will show the SWR at the selected frequency and point of measurement.

All in all, one heck of a piece of test equipment.

I've had mine for several years now, and use it constantly.

72, Bob N6WG

Date: Mon, 9 Feb 1998 17:45:29 -0700
From: "Ron Smith" <resmith@primenet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [3448] Re: Grid Dip Meter-Test Equip
Message-ID: <008001bd35bd\$474a88c0\$5b22a5ce@primenet.com.primenet.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Rick,

>handheld frq Counters with the telescoping whip on top? Someone said Radio
>Shack had last years model on sale for \$40.

I was in Radio Shack late last week and the handheld Frequency Counter was
still at \$100. I questioned them on when it was on sale and it seems last
September it was on sale for \$75. If you find it in any Radio Shack for \$40
let me know because all the stores should be selling it for the same price.

72

Ron Smith

Amateur Radio Callsign: KD7VD
Boise, Idaho
E-mail: resmith@primenet.com
QRP-L #1291...ARCI #9580...NorCal #????
AK/QRP #352

Date: Mon, 09 Feb 1998 16:55:50 -0700
From: Kory Hamzeh <kory@avatar.com>
To: resmith@primenet.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [3449] Re: Grid Dip Meter-Test Equip
Message-ID: <3.0.5.32.19980209165550.00955170@ns1.avatar.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 05:45 PM 2/9/98 -0700, Ron Smith wrote:

>Hi Rick,

>

>>handheld frq Counters with the telescoping whip on top? Someone said Radio

>>Shack had last years model on sale for \$40.

>

>I was in Radio Shack late last week and the handheld Frequency Counter was

>still at \$100. I questioned them on when it was on sale and it seems last

>September it was on sale for \$75. If you find it in any Radio Shack for \$40

>let me know because all the stores should be selling it for the same price.

>

I own one of those and have had problems with it at the higher (20mhz+) frequencies. When I was trying to adjust the PMO on the Sierra is read garbage on the 17 meter and higher modules. I used a good quality 10x probe too.

Thanks,

Kory

AC6RN

Waiting for a K2.

Date: Mon, 9 Feb 1998 16:59:25 -0800

From: "Michael A. Gipe" <mgipe@reliablemeters.com>

To: "QRP-L" <qrp-l@Lehigh.EDU>

Subject: [3450] logging programs

Message-ID: <01bd35bf\$218916e0\$309f5ecf@double_trouble.reliablemeters.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

OK, (kick, kick, scream) I guess I have to start logging contests with a computer (whine, kick, scream).

I've ignored all the posts about everyone's favorite logging software so far, so I need a refresher.

What contest logging software do you recommend and why? My preferred operating system is Windows 95/NT.

Please email me directly and I will summarize for the list. No need to rehash another thread for the whole list!

Mike K1MG

PS: and tubes, too. Why can't we just keep using tubes?

Date: Mon, 09 Feb 1998 16:58:12 -0800
From: Bob Bayha <rbayha@ix.netcom.com>
To: qrp-l@Lehigh.EDU
Subject: [3451] Re: Test Equipment
Message-ID: <34DFA623.D6E7C24A@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang....

While we have a tread going on on test equipment... could someone educate me on RF signal generators. What specs would be appropriate for a home (ham/qrp) test bench? Any particular flavor to keep my eyes open for at flea markets, etc.? Any advise would be most appreciated.

72, Bob
K6RKB

Date: Mon, 9 Feb 1998 17:12:31 -0800
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [3452] FOX ALERT
Message-ID: <01bd35c0\$f655e820\$309f5ecf@double_trouble.reliablemeters.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

FOX ALERT FOX ALERT FOX ALERT FOX ALERT FOX ALERT FOX ALERT

Day-glo(tm) fox coming up! Don't miss it! Special commemorative edition
QSL available for all fox QSOs with K1MG

Fox: K1MG
Thursday evening (in N. America)
0200 -0400 UTC 13 Feb 1998
7.042 MHz, listening 7.042-7.043 -- may change due to QRM, etc.

This is your last opportunity to catch this fox this season! Put it on your calendar.

My last turn in the center of the ring was a blast, and I would love to exceed the fun factor this time.

Do you think we could break a 100 QSOs?

Even if you've never caught a fox, try this one. The exchange is: call, state/province/country, name, QRP-L number or power (NR123 or 5W)

The FoxCatcher(tm) antenna is UP! 4db gain over a dipole, 15 degree elevation. Can't miss it.

Special note to New England: Last time the SouthEast blew you away. Now it's your turn.

See you all on Thursday!

Mike K1MG

PS: Did I mention the special prizes?

Date: Mon, 09 Feb 1998 22:09:24 -0500
From: Richard Powell <ripowell@mpna.com>
To: qrp-l@Lehigh.EDU
Subject: [3453] FYBO pictures
Message-ID: <1.5.4.32.19980210030924.00686e44@smtp.mpna.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

pictures are posted: <http://www.mpna.com/ripowell/fybo98.html>

73

/rick

Richard Powell WB6JBM TENTEN - 13044

Director of Network Services, JDR Consulting Services, LTD.

ripowell@mpna.com http://www.mpna.com/ripowell
ripowell@jdrconsulting.com http://www.jdrconsulting.com

Date: Mon, 09 Feb 1998 21:10:07 -0500
From: Dennis Terribile <wr4i@mindspring.com>
To: qrp-1@Lehigh.EDU
Subject: [3454] Help with ARCI Journal address change
Message-ID: <3.0.4.32.19980209211007.0068be34@mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi guys,
I've tried unsuccessfully to get my ARCI Journal. I've been a subscriber for 10-15 years(gads!). We've moved and I notified who I thought was the correct person re. my new address. Without mentioning names, I've sent 3 e-mails over the past 7 months. No reply.
My last issue was April. Can someone please tell me who controls this? I realize its all volunteer efforts...and hence, why I've been patient. But I really, really miss my Journal!

Thanks a Bunch!
72,
Dennis/WR4i
ARCI #4,281
Ivy,Va (cw=short n sweet!)

Date: Mon, 9 Feb 98 20:36:04 CST
From: QLF%mimi@magic.itg.ti.com
To: qrp-1@Lehigh.EDU
Subject: [3455] LICENSE RENEWAL
Message-ID: <9802100236.AA12221@itg.ti.com>

From: Brad Bradfield QLF

Subj: LICENSE RENEWAL

Per the note on the tube a week or so ago, I checked out the FCC's license renewal URL and followed the instructions to renew my license, which expires in May. This took place on 2 February. Today, 9 February, just seven days later, my renewal arrived at my home. Be still my beating heart. Surely

this can't be the same FCC that we've all come to complain about over the years?!? And to top it all off, the license is now pretty much suitable for framing, instead of the ugly carbon copy form of old. A hearty Bravo-Zulu to whoever at the Commission dreamed up this scheme and made it happen!

Now, if I remembered the URL, I'd post it here for you. I think Chuck posted it originally. It really works!

72's es 73's,
Brad, WB0CGH

qlf@msg.ti.com

QRP-L 377
ARS 72
AK/QRP 350
TX DL 06367636

Date: Mon, 09 Feb 1998 20:27:33 -0600
From: "Adam B. Kanis" <adam-kanis@uiowa.edu>
To: qrp-l@Lehigh.EDU
Subject: [3456] PIC's and Hams
Message-ID: <3.0.3.32.19980209202733.006989e4@molsun.ophth.uiowa.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

hi,

just a coincidence, but just last week i put together the Scott Edwards Counterfeit Stamp Development system

<http://www.seetron.com>

should be no trouble for anybody on this list who has built anything. Nice manual. i think if i had done more research, i could have save some money (but spent more time), and put the system together myself. i have been looking for a way to run a ribbon cable from the i/o SIP sockets to a solderless breadboard and will try cutting off one side of pins on both ends of a DIP connector. I'm waiting to get this going before I get any play time in. Al-Williams Inc has some solderless breadboard stuff too:

<http://www.al-williams.com>

he is also advertising a system to use a BasicStamp to program the EEPROM

of a PIC - perhaps a way that will eventually let me "graduate" from BasicStamp to a more standard PIC when combined info from a book on that topic that Scott Edwards sells.

Many Stamp users seem to be ham operators. There is a STAMPS mailing list (reflector) - see the parallax site:

<http://www.parallaxinc.com>

and recent threads have included; trying to have a BasicStamp control 3 different digital pots in a QRP rig; and using the UHF data xmitters and receivers that are on sale right now from Tech America (and mentioned on this list last week).

note of caution - the folks on that list are far worse at over-quoting than the members of this list. I do the digest mode there, and get about 3 digests per day - all overbloated with > >> >>> and >>>>!

One of the uses I see my stamp getting done is to monitor the photovoltaic panel and battery system I'm installing. It should take 1 stamp and some supporting hardware to monitor panel voltage, battery voltage, and current consumption. The solar panel / battery system will be the power source for all my amateur radio gear.

BTW - SBL-1's and MAR-1's are still on sale at the minicircuits site (even if the title says "November specials")

<http://www.minicircuits.com>

73,
--adam, n2brt

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=====
Adam B. Kanis, N2BRT      QTH: Wellman, IA (Near Iowa City) EN41ck
adam-kanis@uiowa.edu     QRP ARCI : NorCal : QRP-L: G-QRP : CQC
      Straight Key : OHR-100 40m : Carolina Beam oriented N/S
** On the Web at      http://genome33.ped-gen.uiowa.edu/hamradio **
=====
```

Date: Mon, 9 Feb 1998 21:35:16 -0500
From: Joseph Everhart <n2cx@voicenet.com>
To: qrp-l@Lehigh.EDU
Cc: n5em@flash.net, wb5rue@stic.net
Subject: [3457] RE: Slant-front project boxes

Message-ID: <199802100235.VAA51084@nss4.cc.Lehigh.EDU>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Folks,

I, too have built a bunch of project boxes with pc board material.

One of my better efforts (if I do say so myself!) was a sloping front box with a keyboard on the sloping surface, and a modem and video terminal board underneath. It was built in self defense in a couple of evenings so that I could do my Masters course work from home rather than relying on a terminal at work. Well it was ten years ago!

To make things attractive and rugged, I used some very attractive wood end panels and a wood base with the pc board box hidden inside. The wood provided the beauty and strength while the pc board material made the guts easy to machine and handy to mount the keybaord and internal electronics.

To hide the pc board mterial on the sloping surface, I used some self-adhesive woodgrain shelf covering material. This stuff is a couple of bucks for a looooong roll.

My usual pc board boxes are not nearly as attractive, though eminently functional and very easy to fabricate once you've done a couple.

72/73,

Joe E., N2CX

>From South Jersey, y'all!

home: n2cx@voicenet.com
work: jeverhar@camden.lmco.com

Date: Mon, 09 Feb 1998 20:42:31 +0000
From: Jim <kj5tf@mctc.com>

To: qrp-1@Lehigh.EDU
Subject: [3458] Arkansas 40M QRP Net
Message-ID: <34DF6A37.3DD3@mctc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi everybody,

The 40 meter CW net has not been very successful on Tuesday evenings. Along with poor band conditions we have run into a conflict with the QRP-L Fox Hunt and also some other stations that sound like they are running about a kW. Maybe they just have super antennas but they sure take up space on the band. Also lately we have been hearing SSB stations right near us.

After discussing it we have decided to move the net to Wednesday evenings at 7 PM CST (0100 Z). I know the stations on the West coast will find this a bit early for them, but I have only heard one station from that area so far and believe it or not he had a great signal. We are attempting to bring in some of the stations that are not able to join in on the 80 meter net on Mondays, which by the way has been very successful for many months now.

I realize this moving around can be a problem for some of the people but it is the only way to find a place that will do the job. We are open to all suggestions, if there any. To date I have heard nothing one way or the other.

This change will begin on Wednesday, Feb. 11th, 1998.

We will still use the 7.042/3 frequencies, to hopefully, remain in the qrp area.

I apologize for the inconvenience and hope you will bear with us.

Don't forget if you have a suggestion, please let us know.

72/73 Bob N9ZZ AR QRP #1

Date: Mon, 09 Feb 1998 20:43:47 -0600
From: Glen Reid <k5hgb@flash.net>
To: Bill Howell <bhowell@mail.utexas.edu>, Brad Bradfield
<QLF@mimi@magic.itg.ti.com>, Brian Milesosky <n5zgt@swcp.com>,

Chuck Adams <adams@chuck.dallas.sgi.com>, "Curtis C. Goodson"
<curt@inetport.com>, Ed Popp <k5bot@worldnet.att.net>,
Subject: [3459] February Austin QRP Club Meeting
Message-ID: <34DFBEE3.AA9E41D0@flash.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The next irregular meeting of the Austin QRP Club (A QRP Club) will be:

Date - Saturday, February 14th, 1998.

Time - 10 AM

Place - Cypress Semiconductors

Directions -

Mopac (north or south) exit at Far West. Make first left off of Far
West onto
Austin center Blvd. and an immediate right into the parking lot.
Walk past
the fountain and enter building entrance on the right. Take
elevator to 3rd
floor, enter the glass/wood entrance labeled Cypress Semiconductor.
We will
be in a conference room right near the main entrance.

Since the building may have controlled access to the lobby on the
weekend,
one of us will be there to make sure you can enter.

Restaurants in the area for lunch afterward -

Plenty. Just 1 exit away from Anderson Lane, which has
everything from Suzi's Chinese, Fuddruckers, Furr's, Souper Salad,
etc. to
stuff immediately across the street, Chinese, Mexican, Wendy's, HEB
Kosher
Deli (maybe closed Saturday???)

Hope to see you all there.

73

gr

--

GLEN REID
K5HGB/M(Zero)BGF
Austin, Texas
...in the beautiful hill country of TEXAS...

Austin QRP Club # Pi

Email: k5hgb@flash.net

Date: Mon, 9 Feb 1998 18:54:16 -0800 (PST)
From: Monte Stark <ku7y@sage.dri.edu>
To: Dennis Terribile <wr4i@mindspring.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [3460] Re: Help with ARCI Journal address change
Message-ID: <Pine.SUN.3.90.980209184928.23804D-1000000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Dennis and anyone else who needs this info,

All address changes go to:

Dave Johnson, WA4NID
2522 Alpine Rd.
Durham, NC 27707

E-Mail via:

wa4nid@amsat.org

Also notice that the labels on the Jan 98 issue didn't have the expiration date on them. This was the first time we did labels via e-mail to the printer and it fell through the cracks. It will be there in the future. Or should I say it SHOULD be there in the future!

If you have any problems, just let me know. We want to keep this as easy as we can!

Thanks to all, cu1,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Tue, 10 Feb 1998 02:48:28 -0500
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
To: ku7y@dri.edu
Cc: qrp-l@Lehigh.EDU
Subject: [3461] Re: How did you do?
Message-ID: <3.0.16.19980210011719.2f47af14@som-uky.campus.mci.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 05:57 2/8/98 -0800, you wrote:

>KK6MC/5 35Qs, 15SPCs
>N6GA 76Qs, 32SPCs
>W4WS 58Qs, 24SPCs
>KU7Y 85Qs, 31SPCs

>KA8OKH ?

Well Ron, I did manage to make 25 qso's in FYB0 before the power went out. It came back on this evening (Mon). Sorry didn't have a way to run battery or something for the sprint... I hate missing any of the NCJ contests. But be sure to count me in for the next run. This was a learning experience, and beleive me, I spent a lot of time in the dark thinking about alternative sources of energy.

It was great hearing so many signals on the bands for FYB0. Despite missing out on the sprint, I got a real charge out of this "double header" arrangement of qrp tests. Heard KL7JAF on 20, but just couldn't get enough of a signal to him.

Hope the snow melts enough in the next couple days to start repairing antennas. We don't do 18" of snow very well here in Southern KY.

zut y'all...
Rich

Rich Dailey, KA8OKH <ka8okh@som-uky.campus.mci.net>
The KA8OKH / KB4NPI Web - <http://www.qsl.net/ka8okh>

Date: Mon, 09 Feb 1998 19:10:41 -0800
From: Monte Stark <ku7y@dri.edu>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [3462] RTTY Contest comming
Message-ID: <34DFC531.C08B49BC@dri.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi All,

This was on the contest.com reflector:

> Reminder, next weekend Feb 14-15 is the World-Wide RTTY WPX Contest. There
> are 44 great looking plaques up for grabs in this years RTTY WPX Contest.
> An all time high plaque sponsorship in any RTTY contest. We certainly
> would like to see the CW/SSB crowd participating.
>

Also, as a reminder, please don't freak out when you hear a
lot of RTTY on 40 from 7025-7045. That IS the RTTY segment in EU and
JA, so we will be there too!
73 Barry

Just don't be surprised when the noise starts!! Better yet, if you can
do RTTY join in on the fun. RTTY and QRP seem made for each other!

cul,

--
73, Ron, KU7Y

NRA Life-----Ex W6JX0, DL4RF, N7CRV-----SOWP #5545-M
QRP ARCI #8829----NorCal #330----QRP-L #17-----ARS #49
AR QRP #150-----DM09cg-----New Washoe City, NV

Date: Mon, 9 Feb 1998 22:11:53 -0500
From: kc4mhm@juno.com
To: qrp-1@Lehigh.EDU
Subject: [3463] SMite
Message-ID: <19980209.221154.8454.0.KC4MHM@juno.com>

To all SMite builders:

This is quite a rig. The assembly is straight forward and only takes a little getting use to. I see a great future for SM kits: great job KNIGHTS.

I do have a problem with the first rig I put together (I bought 2). There is a 500 Hz tone at all times. When looking at the output on a scope there is a terrible looking signal. The top half looks like a spike while the bottom half is somewhat like a sine wave. When the headset is disconnected the signal disappears. There is a .2V p-p sine wave at the antenna during receive and only 7.2 v p-p (130mW) for transmit. May be more problems beside LO bleed thru. Down loaded the doc pages from the KnightLites web page and will look into further as brain power allows.

There is no problem with the second kit because I have not tried to put it together yet, but I shall.

Particulars:

Rec current 9.7 mA
xmit current 47 mA
freq 3.6862 rec---3.6866 xmit min setting on

C1

3.6875 rec---3.6873xmit max setting

for C1

7.2v p-p output=130mW
supply voltage a weak 9 volts

73 Ed KC4MHM@juno.com

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 09 Feb 1998 22:18:07 EST
From: n7mfb@juno.com (Bill Todd)
To: qrp-1@Lehigh.EDU
Subject: [3464] Bad CW on 3712 Khz?
Message-ID: <19980209.191457.7303.0.n7mfb@juno.com>

Hello folks -

I don't know if the station I have been hearing for the past two hours is a beacon, or just a very determined individual - but this station sends out a one line "CQ", and gives the call as KA0EOS.

This station has been sending out "CQ" for at least two hours so far. Does anyone else copy this guy?

CUL, Bill-N7MFB

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 09 Feb 1998 22:43:23 -0500
From: "Buck, Preston D" <BuckPD@corning.com>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [3465] RE: pics, dsp, etc Scott Edwards Electronics
Message-ID: <6B137F61081DD0118DF600805FEAC5C5C8EC89@SILVER.CORNING.COM>
Content-Return: allowed
Mime-Version: 1.0
Content-Type: text/plain

Greetings all,

I would also like to recommend the Counterfeit Stamp by Scott Edwards. One advantage is that it is programmed in basic. Some of us like assembler or C but most of us know at least a little basic. His package was about \$70 and needs some assembly but his manual is thorough and he tells you in the manual how to make the PC to stamp how to make all the stuff Parallax sells for a lot more. It is simple but it works. He also has 23 or so application notes to help you get some ideas. Some are Sending Morse Code, Reading a Thermistor, Wireless Infrared communication, etc. These were the juiciest ham ones.

Scott Edwards Electronics - <http://www.seetron.com/>

Reference: Parallax makes the chips. Their web site has lots of useful info www.parallax.com. A thermistor is a passive device that changes resistance as temperature changes.

Motorola also has demo kits of their much more powerful microprocessors but I don't know much about them except that it is around \$50. Supposedly their assembler is fairly easy to use, I used Intel's version. Most of the microprocessor manufacture have inexpensive chips to sell to developers. Check out the EDN web page (SRI don't know the address) for a microprocessor comparison article.

BTW it is estimated that over a billion 4 bite micros will be sold this year. Yes, I said 4 bit, even though there are 8, 16, and 32 bit micros. Microsoft has even ported a version of windos to a 32 bit micro :(

In case you couldn't tell, I agree with Laura. Microprocessors just radiate with all sorts of neat applications for ham radio. Now if I could just find a job programming them.

73
Preston

DISCLAIMER: My words are my own and I don't work for any of the companies that I mentioned.

Ed wrote:

don't wait for others to tell you by posting on the net. do it!
do what laura has done: she has made a programmer and used it!
if you are serious about learning pics etc, do it yourself, and people will gladly help, but they don't have time or energy to do it for you.

two suggestions for getting started. each is but one of a great many ways
to take the first step.

1. read peter anderson's web site at morgan state.
2. buy a counterfeit stamp from scott edwards. find his ad in nuts and volts.

for something of this sort to admire, look at the TICKs! this can be hard
going, but a lot of fun!

73 de ed

Date: Mon, 9 Feb 1998 21:53:05 -0600 (CST)
From: "Phillips Richard" <phillips@msoe.edu>
To: Bill Todd <n7mfb@juno.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [3466] Re: Bad CW on 3712 Khz?
Message-ID: <Pine.OSF.3.96.980209215031.550D-1000000@torres.msoe.edu>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I hear him 599 in Wisconsin. It's 0350 Z and he is still banging away.
Call is KA0EOS, I tried to answer him but I don't think he has a receiver.

Richard Phillips
Lab Technician
Milwaukee School of Engineering
414-277-7388, phillips@msoe.edu

Date: Mon, 09 Feb 1998 23:19:24
From: "Gary M. - W2UX" <mail4gary@worldnet.att.net>
To: qrp-l@Lehigh.EDU
Subject: [3467] FS - Autek QF-1 Filter
Message-ID: <3.0.3.16.19980209231924.3c4f76ae@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have an Autek QF-1 filter for sale. Nice older filter for only \$35.00 shipped to your door in the CON-US. Excuse the description, not everyone knows what these things are. Good for helping to weed out CW signals. Built in power supply. Plug and cord included to plug into your headphone output and then you plug your headphones (or speaker) into the filter. Three controls on front. One for SELECTIVITY, one for FREQUENCY, and one that is three positions for PEAK, NOTCH AND LOWPASS. Excess to my needs... my little ARGO is good enough without it. One small scratch on the front panel near FREQ control, not very noticeable, but you should know. Measures 4.5"W x 3.25"H x 4.25"D.

Interested???? Drop me a line.

Thanks
Gary

=====
72/73 de W2UX

Gary McCaughey
Lexington, SC
CW is the REAL THING!
Use it....or lose it.
QRP-ARCI QRP-L CQC
=====

Date: Tue, 10 Feb 1998 00:10:37 EST
From: GERALDCUND@aol.com
To: wr4i@mindspring.com
Cc: qrp-l@Lehigh.EDU
Subject: [3468] Re: Help with ARCI Journal address change
Message-ID: <c0e07ec9.34dfe14f@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Change of adress and membership staus questions go to:

Dave Johnson,WA4NID
2522 Alphine Rd
Durham NC 27707

As per the January 1998 QRP Quarterly.

Gerald,KE4LIA

Date: Tue, 10 Feb 1998 00:42:12 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.EDU>, "Doc W.D. Lindsey/K0EVZ"
<70511.3041@compuserve.com>
Subject: [3469] QRP rigs for 80?
Message-ID: <199802100044_MC2-32A3-FFBD@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Gang:

Need to compile a quick list of available 80-Metre QRP rigs. This will
include the SMiTe, but others out there. Only interested in rigs which

can be built from scratch or from kits. Max power out will be approximately 3 watts.

Thanks in advance for your assistance :-).

72/73,

--Doc/K0EVZ qrp-l 861 norcal 2050 cqz 414 ARS 311 FISTS 3868 mn-qrp 19
nj-qrp 69 ak/qrp 139 ar/qrp 73 hi/qrp 30 ARCI 9398 CQC 29305
ARRL DXCC 73/44 Grid EN34 <>< FOXes 2/6/98 = 28. A 1997/98 FOX.

Omni V Corsair I Yaesu FT 900CAT Sierra SW-40 49er
Mercury Paddles Emtech ZM-2 MFJ 259 MFJ 941D Matchbox GAP Titan
TNT/2 Windom SLV/W6MMA G5RV Timewave 599zx Auttek QF-1 RS DSP-40

"Things should be as simple as possible, but no simpler"--A. Einstein

Date: Tue, 10 Feb 1998 04:36:20 EST
From: "Brian Jones" <brian_jones@uk.ibm.com>
To: qrp-l@Lehigh.EDU
Subject: [3470] PIC Microcontrollers
Message-ID: <199802100936.EAA41772@nss4.cc.Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

Laura is right, the way to get started is with 16C84 or 16F84 chips. These are EEPROM based so no need for special erasers etc. I've just finished my first PIC project and it's really easy to get started.

I did this on a real budget and built the minimal programmer. Called Ludipipo (from ftp.ai.uga.edu) it is 4 resistors, 1 Zener diode, 1 diode and 1 cap built on a piece of 2" square stripboard. I use an 18 pin turned pin DIL for the PIC chip (I fact I mount the PIC in a really cheap dil socket and then put that in and out of the blower and circuit into turned pins - never had a bad connection and it saves wear'n'tear on the PIC pins). The programmer fits into my serial port. I run Win95 and so use a windows programmer from www.man.ac.uk/~mbhstdj/files/picprg04.zip I use Microchip's free MPLAB IDE environment to do the assembly code.

Code cycle is start MPLAB, write code, single button press to build code, fix bugs - build code (repeat until no bugs), put PIC in programmer, start programmer software, blow PIC, remove PIC and put in test circuit - go back to fix bugs. All really easy, no UV lamps for erase, all windows point'n'click, no complicated comand line compile

statements. Reblow my 16C84 maybe 50 or so times no problem.

Warning, Ludipipo programmer needs a serial port with a good 12v (it's unpowered by itself) - it doesn't work with my laptop. But heck, its so cheap and so little to build that if it don't work you haven't lost too much time before going to look at something a little more sophisticated. Also it will only program a small set of PICs (probably on 16C84/16F84).

First project was a CW tutor using Koch Method, driving an LCD display. Almost no components other than PIC, 16 char LCD, buttons, and 5V reg. For info on Koch method of learning CW see David Finley's pages <http://griffy.nmt.edu/sara/sara/finley.morse.html>

Probably look at building some other simple stuff like a Keyer (with apologies to K1EL and those guys at Embedded Research who sell such things), Freq counter, etc. Bigger ambitious projects are to build a CW decoder (well gotta find some use for the 40*2 char LCD's I picked up at a buck each last year) and a shack clock linked to UK Rugby time signal (yeah theres plenty been done in magazines but none set to UTC rather than local time, anyway will probably build in a thermometer and maybe some other stuff).

Have fun and there's lots of resources on the net to help.

72 de Brian G0UKB / KB8YKJ

Brian Jones
Java Technology Centre
HURSLEY MP 146 Ext 246896 (+44 1962 816896)
BEJONES AT WINVMD bejones@hursley.ibm.com

Date: Tue, 10 Feb 1998 06:59:12 EST
From: KB9RPD@aol.com
To: qrp-l@Lehigh.EDU
Subject: [3471] Tuna Tin2 Construction - On the Web soon
Message-ID: <e2660171.34e04112@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hallo Hallo

I am beginning my Tuna Tin project soon. My crystals from Doug Hendricks and my PCB from FAR Circuits should be arriving soon....

As an experiment, I thought I'd provide a portion of my web page that will show my progress on the project. Due to some telephone line problems in my neighborhood last night, I wasn't able to upload the modified page. However, I will try to get that done this evening.

My URL is: <http://members.aol.com/kb9rpd/index.html>

I am in the process of taking my very generic web page and changing it into something a little more informative and aesthetic. I am approaching this new page from the standpoint of a newbie ham. Among the items I wish to have available for all to see, and others to learn from are: What did I learn? What did I want to learn? What don't I know yet? What do I NEED to learn? Are there other/alternate explanations that can illustrate a problem or concept?

Once I get going with this, I'd appreciate any input anyone can give me. I'd like to create something that would help new hams of all ages(such as me at this time in my fledgling stage).

Right now, it is pretty simple. There are a few good links that I have found very helpful to me. And, I will have the progress on my Tuna Tin2 project.

73, Ted - KB9RPD

Date: Tue, 10 Feb 1998 04:54:42 -0800 (PST)
From: Stanley Wilson <microres@crl.com>
To: qrp-l@Lehigh.EDU
Subject: [3472] A receiver design without a detector
Message-ID: <Pine.SUN.3.91.980210044500.3686B-100000@crl9.crl.com>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

There have been several posts about xtal receivers recently. I thought I would add to the list about unusually designs.

Would you believe a receiver without a detector ? It was invented in 1902 by R.A. Fessenden. Yes, they did have communications in 1902. hi

Fessenden invented the idea of the "heterodyne" or at least coined the use of the word in communications. His patent (British) used two RF carriers of slightly different frequencies (illegal today) and the receiver ear piece had two windings one going to a tune circuit for each of the carriers. The two beat together resulting in a difference frequency being heard.

The ear piece acted as a full-wave rectifier. His original idea lead to the use of a locally generated carrier to replace one of the transmitters. The use of local generated carrier was pointed out at an even earlier date (1886) by Marius Latour to detect ultrasonic frequency.

Our hobby has very old roots.

de stan AK0B

Date: Tue, 10 Feb 1998 07:40:42 -0600
From: Kevin Muenzler <wb5rue@stic.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>,
"QLF@mimi@magic.itg.ti.com" <QLF@mimi@magic.itg.ti.com>
Subject: [3473] RE: LICENSE RENEWAL
Message-ID: <01BD35F7.3199D000@muenzlerk.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

On QLF@mimi@magic.itg.ti.com, QLF@mimi@magic.itg.ti.com wrote:

> From: Brad Bradfield QLF
>
> Subj: LICENSE RENEWAL
>
> Per the note on the tube a week or so ago, I checked out the FCC's license
> renewal URL and followed the instructions to renew my license, which expires
> in May. This took place on 2 February. Today, 9 February, just seven days
> later, my renewal arrived at my home. Be still my beating heart. Surely
> this can't be the same FCC that we've all come to complain about over the
> years?!? And to top it all off, the license is now pretty much suitable
> for framing, instead of the ugly carbon copy form of old. A hearty
> Bravo-Zulu to whoever at the Commission dreamed up this scheme and made it
> happen!
>
> Now, if I remembered the URL, I'd post it here for you. I think Chuck
> posted it originally. It really works!
>
> 72's es 73's,
> Brad, WB0CGH
>
> qlf@msg.ti.com
>
> QRP-L 377

> ARS 72
> AK/QRP 350
> TX DL 06367636
>
>

YEA!

Only one thing I can say about that new ticket, LAMINATE IT! They are printed with a laser printer and if you put the wallet portion in your wallet the letters will come off.

Kevin, WB5RUE

Date: Tue, 10 Feb 1998 09:06:49 -0500
From: Stewart Whitehouse <STEW_W@compuserve.com>
To: Low Power Amateur Radio <QRP-L@Lehigh.EDU>
Subject: [3474] Tektronix O'scope
Message-ID: <199802100907_MC2-32BF-628D@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Hi folks,

Picked up a Tek model 422 oscilloscope at a recent flea market but can't find any information on it. The Tektronix page doesn't list a model 422 nor does the metermaster page. W7FG doesn't even list a manual for it.

It is a dual trace scope, everything seems to work and the controls aren't noisy. The AC power supply is screwed to the back in a manner that suggests that alternate power modules may have been available.

The seller claimed it has a 50Mhz bandwidth. Calibration appears to be in the ballpark but the trace gets a little dim when the horizontal=1

sweep is turned way up.

I would appreciate any wisdom offered on the scope and a source for an operators/maintenance manual.

Thanks and 72/73
Stew KE4YH
Dunedin, Florida

Date: Tue, 10 Feb 1998 09:08:23 -0500
From: Joe Everhart <n2cx@voicenet.com>
To: qrp-1@Lehigh.EDU
Cc: njqrp@njqrp.org, klqrp@waterw.com
Subject: [3475] EMTECH ZM-2 Comments (long)
Message-ID: <199802101408.JAA31870@nss4.cc.Lehigh.EDU>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Group(s),

Just got a ZM-2 the other day. I needed a tuner for improved antenna performance. My goal is to upgrade the skywire situation at home so that I can work multiple bands with equal results. My end-fed 67 foot wire **does** work on all bands, but it is too low and it is not very efficient on 80 meters. I've gotten far too many 329 and worse reports even from guys with good "ears".

I do have a PVC pole support that works fairly well with coax fed dipoles but they are inherently single banders and space is too limited for a full-size 80 meter job. Soooo I intend to raise the pole height and to put up a 40 meter size dipole fed with 300 ohm ladder line. (Thanks to N2SMH!)

But I needed a good tuner. I do have an MFJ 941C, bought supposedly brand new from a dealer at a hamfest 10 yrs ago. Two problems:

a. I tried it on a balanced resistive load and got NO power out. Found that this supposedly "new" tuner had a fried balun, as in a QRO, melt the wire and break the core fried balun!

b. I know that with the antenna configuration going up, the impedance at the tuner will be horribly low on 80 meters, resulting in excessive losses if I use a balun-type tuner.

The Z-match type tuner looks like a good match (pun intended) for my situation. It should be able to efficiently match the intended dipole along with a number of other antennas. And EMTECH's version, the ZM-2 is small and compact for handy portable use as well when I am operating from a hotel room with a wire dangling out the window!

The kit arrived late last week by US mail. Shipped in a padded mailer, it did suffer a little damage in transit. Something heavy had apparently been laid on it causing the mailer to rip and bending the enclosure front

panel. Fortunately the parts were all enclosed in plastic "zipper" bags so none were lost. And the bent panel was no great handicap since the tuner enclosure is a common Radio Shack plastic cabinet with a metal front panel. And I happened to already have one!

The directions are adequate, but definitely not Heathkit! There are some good sketches for winding the toroid and pictorials to guide in wiring, but no step-by-step assembly procedure.

The second step after wiring the toroid is to machine the front panel. A template is provided to aid in this process, though you have to be fairly handy to do a good job. And the template was apparently photocopied on a machine that did not give exactly 1:1 reproduction. However the dimensions were close enough. My set of Pacific rim hand punches was invaluable in coming up with clean holes. The hardest ones were for the SO-239 coax jacks since they are about 5/8 diameter and my largest punch is 1/4 inch. Some careful tapered reamer and rat-tail file work did the trick.

The box panel is not premarked - good thing because the necessary hole drilling would probably bung it all up! However an adhesive-backed label is provided with markings for all of the controls, switches and connectors *and* the EMTECH logo! Since my tuner will be in the field, I felt that the paper label might eventually suffer dirt smudges or damage. To protect it, I got some of the clear plastic laminating film (you know, the kind you slap on your FCC license to protect it!) and put this over the label before installing it on the panel. Then I carefully cut out holes where the panel mounted components would have to go thru the label. Next I took the backing off the label and applied it to the panel, aligning it by making sure that the four corner holes on the label matched panel mounting holes.

Next the internal wiring was completed. Pictorials show how the wiring is to be done and it is left to the builder to determine exactly how it is done. There should be no major problems unless you are a total klutz. I took my time and tried to keep lead lengths to a minimum (this is an RF device!) while being fairly neat about it. The directions warn you to put some foam rubber in the bottom of the cabinet if you go backpacking since the large toroid is supported by its leads. I will eventually get a piece of foam and cut depression in it to fit the toroid for protection under field conditions.

Once constructed, the tuner was hooked up to my end-fed wire and Autek RF-1. As expected, tuning is quite sharp. I was easily able to get SWRs below 1.5:1 on all bands and I recorded the tuner settings in my log book for future reference. So far I have used it with a transmitter only on 40 meters. It tunes up well there and a couple of short QSOs at the two watt level gave me no poorer results than with my Rainbow Tuner or the MFJ. Now I have no excuse not to put up my balanced feed dipole!

I'm still not sure how well I like the ZM-2's LED SWR bridge. It *is*

very cute and quite handy once you get used to it. I particularly like the fact that it uses an absorbtive type bridge (like the Rainbow Bridge/Tuner) so that the transmitter never sees an SWR above 2:1 during tuneup. Long term usage will be needed to see how well it actually works to give an accurate indication. My engineering mind wants to know what the real SWR is, not just that the tuner is set for some minimum value!

All in all I really like the ZM-2! It is small, light, easy to use and has a self-contained SWR indicator. It should be very efficient with a large variety of antennas both at home and in the field. And while I **could** have duplicated it myself, making it as compact and good looking as the finished ZM-2 would have taken more time and effort than I cared to spend. Looks like this is a definite keeper!

72/73,

Joe E., N2CX

from South Jersey y'all!

Date: Tue, 10 Feb 1998 09:26:21 -0500
From: Ed Tanton <n4xy@bellsouth.net>
To: STEW_W@compuserve.com
Cc: qrp-1@Lehigh.EDU
Subject: [3476] TEK 422
Message-ID: <3.0.1.32.19980210092621.00ae6ce0@mail.atl.bellsouth.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The 422 was a a sort of smaller, more portable, 453... it did indeed have a detachable DC power supply, but personally I never thought much of it. I do not remember the BW for sure, but 50MHz sounds about right. It was a fine little scope in its day, never was as popular as the 453, but is good enough for 99/100 things a ham (or most bench techs) would ever need. I think I would advise you to forget the DC PS... it isn't worth the effort-even if you could find one. I am surprised that the manual is hard to find-it wasn't that rare. I calibrated many of them when I worked for TEK in the early 70s. I don't think I have a manual, however. You might try Deane Kidd... he is not on the internet, but has all sorts of TEK stuff. Address etc. shown below. He is a really nice guy, with all sorts of TEK stuff, and knowledge! Also, Stan Griffiths W7NI, absolutely knows where he's at with scopes, and can most likely help with any problems you may encounter.

Deane Kidd, W7TYR
27270 S.W. Ladd Hill Road
Sherwood, OR 97140

Phone: (503) 625-7363 [after 9:00 AM Pacific Daylight time, please]

Let me know if he can't help-but I'll bet he can. Good Luck!

73

Ed Tanton N4XY EMAIL: n4xy@bellsouth.net
189 Pioneer Trail
Marietta, GA 30068-3466 TEL: (770)579-3933 V/MBX/FAX

INTERESTS: QRP BoatAnchors Test Equipment Photography
CW: 99.9% Mercury Paddle # 0214 QRP to 150W: 95%

~~~~~  
"Think you can, think you can't: either way you're right!" Henry Ford  
~~~~~

Date: Tue, 10 Feb 1998 10:27:05 -0500 (EST)
From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
To: qrp-l <qrp-l@Lehigh.EDU>, Laurel ARC <larc-l@webtrek.com>, eax@w3eax.umd.edu
Subject: [3477] Last call...Ten-Tec group purchase ends 02/11/1998
Message-ID: <Pine.LNX.3.95.980210102515.5493C-100000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Today is the 10th...the group buy ends TOMORROW.

If you're interested in purchasing a Ten-Tec kit (10% off, no shipping from them to me BUT shipping from me to you, if necessary) please make your order ASAP lest you hold up the rest of the 40-odd people who have placed orders.

www.tentec.com is the place to go to check out what they've got.

More info on my web page.

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
* 6m 82 grids on 8w * DXCC WAS WAC * QRP-L #147 * QRP ARCI #9054 *
* http://w3eax.umd.edu/~ham * ARRL Life Member /Laurel ARC/UMARA *
*** 301-549-1022 h 301-982-1015 w *** 35 wpm HF mobile CW Neon ***

Date: 10 Feb 1998 14:32:47 GMT
From: Zack Lau <zlau@arrl.org>
To: qrp-l@Lehigh.EDU
Subject: [3478] Re: One Way Skip - DX -- FRUSTRATION\!
Message-ID: <6bpoeF\$06c@mgate.arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The low bands aren't reciprocal--a good antenna picks up
lots of noise, while an inefficient antenna hardly dents
the SNR. Just because you can toss in a 20 dB attenuator
on receive doesn't mean that 20 dB less transmit power will
work.--Zack W1VT

Date: Tue, 10 Feb 1998 07:34:02 -0700
From: Niel Skousen <nskousen@scientechn.com>
To: qrp-l@Lehigh.EDU
Subject: [3479] net.admin / ISP admin help off-line
Message-ID: <3.0.3.32.19980210073402.007dfc40@eaglerock.if.scientechn.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Any network admin / ISP admin types on the list to ask off-line questions ??
PLS respond direct only

nskousen@scientechn.com
skousen@srv.net

TXN 4 bw
Niel

Niel Skousen: Sr.Eng, SCIENTECH.SPG/CFG/NUSI
208.525.3742, 524.9229 FAX 529.4721 Idaho Falls ID
nskousen@scientechn.com WA7SSA QRP-L.119
Z-----DN33wm--- . . . -

Date: Tue, 10 Feb 1998 09:44:47 -0500 (EST)

From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: Joe Everhart <n2cx@voicenet.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [3480] Re: EMTECH ZM-2 Comments (long)
Message-ID: <Pine.SOL.3.94.980210093740.20333B-100000@larry>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> dimensions were close enough. My set of Pacific rim hand punches was
> invaluable in coming up with clean holes. The hardes ones were for the
> SO-239 coax jacks since they are about 5/8 diameter and my largest punch is
> 1/4 inch. Some careful tapered reamer and rat-tail file work did the trick.
One technique I have used successfully for drilling 5/8" holes in aluminum
and plastic is to use a hole cutter for wood that fits in a standard
electric drill. For thin aluminum, I set the drill in reverse so that the
teeth do not bite the material, but use their sharpness to cut a hole in
the material. Of course, I place the aluminum against a solid wood
backing, well clamped in place. The resulting holes are clean and
precise, and take only the least amount of filing to prevent cut fingers
on the edges.

I also have a 5/8" Greenleee type punch, but that necessary 3/8" pilot
hole is often more than the thin aluminum will bear without tearing, so
the hole-cutter tends to get more use on thin materials.

Yes, I discovered the technique by accident, when I had the drill in
reverse without looking and saw the metal scoring its way through.

-73-

LB, W4RNL

Date: Tue, 10 Feb 1998 09:55:37 -0500
From: Stephen Krosner <skrosner@mindspring.com>
To: qrp-1@Lehigh.EDU
Subject: [3481] CW Exam question
Message-ID: <3.0.3.32.19980210095537.006c47d8@mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Although I have been licensed for over 40 years, I have not been active
operating for the last 20 or so. Needless to say, my ability to copy code
has deteriorated. I am trying to get back up to speed and perhaps to

upgrade from advanced to extra. I am considering using Ham University as a tool to practice CW. I have followed the various threads on learning CW and it will allow me to set up the order of learning and the speed of both the letters and spacing, however... it requires that you copy on the keyboard of the PC. I don't mind this. I type well enough. My concern however is will I be able to drag my laptop into a CW exam and use it to take the test? If not, I guess I'll have to use another program that allows me to copy on paper.

Can anyone tell me if I can use my laptop to take the test? Thanks. Steve
Steve Krosner

K2ZPF
Marietta, GA
QRP-L- 941 QCWA

Date: Tue, 10 Feb 1998 06:56:39 -0800
From: "Arthur Moe" <kb7ww@chatusa.com>
To: <wb5rue@stic.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [3482] Re: LICENSE RENEWAL
Message-ID: <01bd3634\$177e62c0\$LocalHost@arthur-moe>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Would someone please post the URL or send via E-Mail

art
KB7WW@SignalONE.com

-----Original Message-----
From: Kevin Muenzler <wb5rue@stic.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

>> renewal URL and followed the instructions to renew my license, which expires

Date: Tue, 10 Feb 1998 08:37:58 -0700 (MST)

From: n5zgt@swcp.com (Brian Mileschosky)
To: qrp-1@Lehigh.EDU
Subject: [3483] N5ZGT FYBO Report
Message-ID: <199802101537.IAA22070@kitsune.swcp.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello Fellow QRPers,

What an event! This was my first FYBO contest, and it certainly won't be my last. I was part of the Arizona-New Mexico group in Pinetop, AZ. Neat town!

My dad and I left Albuquerque, NM right after my last class at the University of New Mexico and arrived in Arizona ready for a delicious spaghetti dinner made by the Hightower Family!

The next morning Jay WA5WHN, Gary W5BI and my dad (Pat, N0CALL) had a quick breakfast and headed for our site just off of the Morgan Mountain Fire Road. Our site was at the following location:

Latitude 34 degrees 11.755 minutes north
Longitude 109 degrees 51.889 minutes west
Elevation: 7,387 feet asl

We were a few hundred feet away from Jay and Gary. There was a little snow on the ground and flurries came down most of the day. I operated from my dad's Montero with an MFJ-9020 and a 20 meter dipole up around 30-35 feet in the Ponderosa pines. Output power was 4 watts.

It was a struggle fighting with my dad to keep the car cold for the multiplier. My lowest temp was 34 degrees, but after a little compromising we decided to keep the inside at around 50 degrees (I cracked a window and opened the door a little bit though) :-)

A few hours into the contest I started hearing this terrible noise coming from my rig, and it seemed to be all over the band! I soon found out that Jay and Gary were playing with their MFJ-259 antenna analyzer not knowing I was trying to rack up some points! OK...time to read my latest Air & Space magazine. Finally it went off, and I continued.

We left just before sunset so we could be out of the mountains before it got too dark. I ended up with 22 Qs, 12 S/P/Cs, the Field multiplier (x4), the Alternative power multiplier (x2) and a temp multiplier of x4. This gave me a score of 8,448 points! Not bad considering I was only on 20 meters.

This was the first CW contest I've been on where I have actually been able to listen to a whole bunch of CW signals and be able to copy just one without being confused. Looks like I'll have to do more!

That evening we went back to N7KT's In-Law's cabin for Mexican food and BBQ ribs! Gary W5BI and I decided to sneak out and buy ice cream for dessert. It didn't last too long once everybody else found it. After telling our lies and other stories, everybody headed back to their places for some sleep. The next morning the AZ-NM QRP group met at Denny's in Show Low for a great breakfast. Then it was time to head home.

This was a great event and I hope to do it again very soon! Pictures of our group can be found on Roger Hightower's homepage at:
<http://home.earthlink.net/~n7kt>

Don't forget about Special Event Station N4C, which will be on the air from Four Corners - the only point in the US where four States share a common boundary! Details at: <http://www.swcp.com/~n5zgt>

72 everybody; it was a pleasure,
Brian, N5ZGT

Boy Scouts of America	Amateur Radio - N5ZGT
Eagle Scout (12-6-96)	ARRL QRP: NorCal# 1700 QRP-L# 580 AK/QRP # 125
ASM - Troop 41	Author of Worldradio's "Youth Forum" Column
Albuquerque, N.M.	Packet: N5ZGT @ KC5IZT.ALBQ.NM.USA.NOAM
O.A. Lodge 66 <-W-W-W-<<	Internet: n5zgt@swcp.com
Please Visit my Homepage at: http://www.unm.edu/~brianm	

Date: Tue, 10 Feb 1998 08:00:32 -0800 (PST)
From: Monte Stark <ku7y@sage.dri.edu>
To: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [3484] Re: Cutting metal
Message-ID: <Pine.SUN.3.90.980210075854.24821A-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Another old trick used in the building trades is to put the blade in "backwards" in a Skill saw when cutting metal.

This works when you want to cut off a small piece to make a little box or whatever.

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Tue, 10 Feb 1998 09:01:01 -0700
From: Phil <k6ls@prolynx.com>
To: n4xy@bellsouth.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [3485] Re: TEK 422
Message-ID: <34E079BD.A61417DB@prolynx.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ed Tanton wrote:

>
> Deane Kidd, W7TYR
> 27270 S.W. Ladd Hill Road
> Sherwood, OR 97140
>

I would like to acknowledge that Mr Kidd is THE source for
TEK related information. I have had the chance to do
business with him on two occasions. Both times service
was prompt and it was a pleasure. Materials received were
in great shape too.

--
73 de Phil, K6LS

k6ls@qsl.net <or> k6ls@amsat.org
<http://www.qsl.net/k6ls>
<http://www.prolynx.com/k6ls>
DM79oq, Arapahoe County, Colorado
ITU zone 7, CQ zone 4
QRP-L #612 NorCal #824
CQC #471 ARCI #8866

Date: Tue, 10 Feb 1998 11:11:09 -0500
From: Michael Maiorana <mikemo@ibm.net>
To: cebik@utkux.utcc.utk.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [3486] Re: EMTECH ZM-2 Comments (long)

Message-ID: <34E07C1D.5BB6@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

> > dimensions were close enough. My set of Pacific rim hand punches was
> > invaluable in coming up with clean holes. The hardest ones were for the
> > SO-239 coax jacks since they are about 5/8 diameter and my largest punch is
> > 1/4 inch.

A machinist friend turned me on to a tool called a "step drill". It is made for cutting holes in thin metal. It is a cone shape with flat spots, each one corresponding to a hole diameter. The one he had went from 1/4" to 1". You count how many flats to the hole size you need, then drill until the bit falls that many times. It cuts nice clean holes and is EASY.

Sorry but the tool is kind of hard to describe. If you have a Craftsman tool catalog, look under drill accessories and you will find "step drills". Costs about \$30.

--

72 de kf4trd
Mike Maiorana
Palm Harbor, FL

"But first, are you experienced?"

Date: 10 Feb 1998 11:21:08 -0500
From: Glen Leinweber <leinwebe@mcmail.CIS.McMaster.CA>
To: qrp-l;;
Subject: [3487] BUILD this receiver...Part 5 (end)
Message-ID: <1998Feb10.112108-0500@[130.113.234.7]>

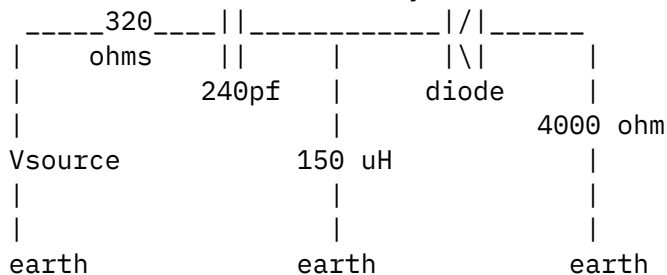
We've tuned the antenna to extract more signal, and our receiver now has four components: antenna, inductor, diode and headphones. Let's now look at power flow from antenna to headphones, and see what can be done (if anything) to improve efficiency.

BTW: I had another look at my antenna impedance. Did the modelling a different way, and came up with something a little different: 320 ohms in series with 240 pf, at 820 KHz.

Power flowing from antenna to headphones must pass through the diode. This is a problem: it is a non-linear device. Just what impedance does the antenna see looking

Let's make a simplifying assumption: The diode does not conduct during positive-going parts of the RF waveform, and DOES conduct during negative-going parts. This assumption means that the diode is a perfect rectifier. And it also means that the antenna sees the headphones only half the time. So the antenna sees 2×4000 ohms on average. We can say that the antenna sees 8000 ohms *only* because there are resonant elements here (240 pf, 150uH) that provide a flywheel effect that spreads out the on-again-off-again jerkiness of the diode. You have to be REALLY careful about using regular linear-circuit analysis with devices like this.

(choose courier font if you have trouble)



First, find the parallel equivalent of 320-j809
It is 2365 ohms in parallel with reactance of 936 ohms.
The reactance of the 150uH inductor is 773 ohms, which is
supposed to cancel out the capacitive reactance of 936.
Not TOO far off.

I had connected both pads of the headphone in series... this analysis says I should be better off with them in parallel. And yes, the 'scope says that more power is delivered this way, although it doesn't sound much louder. You should be able to see why 8-ohm 'phones won't do well in this circuit - they're a really lousy match.

So now I'm extracting about as much as I can from this diode/inductor radio. Keep in mind that its all optimized for MY antenna....yours would require a

different resonating inductor and perhaps a different
headphone impedance.

Just how much power was available from my
antenna? Worked it out at .5mW. That's about 110dB
larger than QRP signals on 40M. No wonder we need
receivers with a BIG dynamic range!

So it took 5 long posts to examine this very
simple circuit. Imagine what will transpire once we
disect the SW-40 in March =:-0

Glen VE3DNL leinwebe@mcmaster.ca Hamilton On.

Date: Tue, 10 Feb 1998 11:22:24 EST5EDT
From: "Joseph street 1635" <joseph.street@comdev.ca>
To: qrp-1@Lehigh.EDU
Subject: [3488] Many Thanks
Message-ID: <AE414813C5@mercury.camb.comdev.ca>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Thanks to all who responded to my email "freaked my brain out".
I was not looking for encouragement but rather just giving an
explanation to those who answered my cq's but then got no where.
Anyways I was surprised by the response and encouraged to keep
practicing and buid up my CW proficiency, which I planned to do
anyways. It is indeed a great fellowship to which we belong.

cul de VE3UXE es 73

Date: Tue, 10 Feb 1998 06:54:36 +0000
From: Leon Heller <leon@lfheller.demon.co.uk>
To: rbayha@ix.netcom.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [3489] Re: Test Equipment
Message-ID: <3KdJEKAsm\$30EwmN@lfheller.demon.co.uk>
MIME-Version: 1.0

In message <34DFA623.D6E7C24A@ix.netcom.com>, Bob Bayha
<rbayha@ix.netcom.com> writes
>Hi Gang....
>

>While we have a tread going on on test equipment... could someone

>educate me on RF signal generators. What specs would be appropriate for
>a home (ham/qrp) test bench? Any particular flavor to keep my eyes open
>for at flea markets, etc.? Any advise would be most appreciated.

Don't bother with the cheap imported ones, They are basically just glorified oscillators. You can get a good used one for a similar price. A good signal generator should be really solidly built, with plenty of internal screening, to minimise leakage. It should have an accurate output attenuator, and it's nice if the output goes up to 7 dBm, so that you can use it as an oscillator with diode mixers. If it isn't synthesised with a built-in counter, it should have a separate counter output. It should have reverse-power protection on the input, so that you don't blow up the attenuator if you connect it to a transceiver and transmit into the output. Adjustable AM and FM should be available. Make sure that you get a manual with it.

I use a couple of 20-year old Marconi analogue signal generators (10 kHz - 120 MHz and 10 MHz - 512 MHz). I got one at a radio rally, and the other at a second-hand test equipment dealer. The latter was ex-military, and had never been used. They are compact, portable units, with massive aluminium castings inside, and very good screening. According to the spec., they are suitable for testing Rxs down to .1 uV input. They can be used with an external digital PLL unit, but these are very difficult to find, and rather expensive. The input for this unit could be used if I wanted to build my own locking unit, or it could be used with a simple ramp generator to sweep the output, for testing filters. The circuitry in these units is extremely complex - for instance, there are two negative feedback loops to stabilise the main oscillator outputs. An op-amp in one of these went intermittent, and it took me ages to find out what the problem was, although the fault finding section in the manual was quite good.

73, Leon

--

Leon Heller: leon@lfheller.demon.co.uk <http://www.lfheller.demon.co.uk>
Amateur Radio Callsign G1HSM Tel: +44 (0) 118 947 1424
See <http://www.lfheller.demon.co.uk/dds.htm> for details of my AD9850
DDS system. See " ["/diy_dsp.htm](#) for a simple DIY DSP ADSP-2104 system.

Date: Tue, 10 Feb 1998 10:25:57 -0700
From: Phil <k6ls@prolynx.com>
To: qrp-l@Lehigh.EDU
Subject: [3490] o-scope tutorial
Message-ID: <34E08DA5.E14C29F4@prolynx.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Note: this is not an endorsement, just a bit of information.
usual disclaimers...

Ran across an ad in Physics Today which is marketing software
for training on the O-Scope and several other subjects.

The program is called: The Cathode Ray Oscilloscope

(mac and windows, \$125)

It is from Physics Academic Software.

want to find out more info?

<http://www.aip.org/pas/>

1-800-955-8275
909-515-7447

Physics Academic Software
Box 8202
North Carolina State University
Raleigh, NC 27695-8202

--

73 de Phil, K6LS

k6ls@qsl.net <or> k6ls@amsat.org
<http://www.qsl.net/k6ls>
<http://www.prolynx.com/k6ls>
DM79oq, Arapahoe County, Colorado
ITU zone 7, CQ zone 4
QRP-L #612 NorCal #824
CQC #471 ARCI #8866

Date: Tue, 10 Feb 1998 12:49:49 EST
From: KB9RPD@aol.com
To: skrosner@mindspring.com, qrp-1@Lehigh.EDU
Subject: [3491] Re: CW Exam question
Message-ID: <7c8957e0.34e0933f@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7bit

Steve,

I have Ham University and have found it very good. The two practice runs require you to copy on the keyboard and will not proceed to the next letter until you respond. However, you can copy the "live runs" on paper. When the run is complete, then, transcribe your copy from paper to the keyboard.

I also heavily use Super Morse. I purchased it from the ARRL when I purchased the set of CD's. It is a DOS program, but in my opinion, is one of the best. It is similar to Ham University in that it does NOT give you a few characters and then words...which you will eventually memorize. You get randomly generated characters.

What I do is take the lesson in Super Morse a few times, if there is a new character I get stuck on, I glance at the screen. When I am comfortable, I choose the option to send the current new letters randomly. I have a small printer stand next to my chair. I start the random sending and turn away from the screen to my paper. I copy what is sent without looking at the screen. It lasts perhaps 5-10 minutes of randomly send characters. When it is done, I compare what I have copied to what is on the screen and grade myself. I don't proceed until I have passed at LEAST 90%.

Once I have completed this step, I go to the next. I choose the option to send all of the learned characters randomly. I am now copying all the new characters I have learned along with any of the previously learned characters.

This is somewhat unrelated, but here is my \$1.51 (two cents doesn't go as far as it used to) on learning CW:

I have tried to stay away from copying "words". My educational background was education. Words are fine, if there is a huge pool to pull from. However, as you practice, words become memorized in short order. That is not learning, that is "parroting". You learn nothing from this technique.

I do like the ARRL instructional CD/Tapes. However, there is a fatal flaw in the ARRL lesson pattern (plan). I'd rather have them send the CW randomly instead of words. It's kind of like learning a foreign language in high school. The best teachers are those who require you to SPEAK and USE the language...not just memorize it. After 2 years and a 4.0 average in French in high school, I can ask you what time it is and hello and goodbye. I have not retained anything useful. I scored well in the class, but retained nothing. In my opinion, that is wasted effort.

I know a guy at work who learned code as a scout. His scout leaders used it with the kids in fun, and practical, ways. As he passed my office one day at

lunch, he tapped out a response on my office door to the CW he heard! After 30 years, he still remembers that CW. The next day, he passed me by and said di-di-di-dit dit di-dah-di-dit di-dah-di-dit -dah-dah-dah

If I were to TEACH CW, I'd have a 2 hour course broken into 20 minute sessions with 10 minute breaks. After a few characters, much of the class would be in CW. Your practice and study aid would be the Gordon West tape set (found in most Radio Shacks) and a shortwave radio that will receive amateur bands. In fact, as the middle of the class neared, I would use the last 20 minute session to play the shortwave radio...all you'd do is copy what you KNOW skipping what you DON'T know.

Why do I mention Gordon West? I purchased the tape set at RS....I am using it along side the ARRL set. Gordon West sends random characters...and varies his speed at times. He pushes you. He tests what you've learned when he makes you copy. No offense to the ARRL, but I would never recommend the ARRL set as a primary study aid. In fact, I would never recommend any single source of study material. I use both sets and use two different computer programs. I am taking my time, studying slowly, and making sure I have learned new material with 90% or higher accuracy before moving on. I will admit I haven't been too faithful to my study schedule due to some low staffing at work, long hours, and now a cold. But, I will pass. I know I will.

I'm sure this will spark some discussion on the subject. As a new student of amateur radio and CW, I'd recommend a combination of study materials. If someone asked me about Ham University and Super Morse, I'd recommend them. If someone asked me to choose between ARRL and Gordon West, I'd pick Gordon West every time with the ARRL as a secondary study aid. Anyone can learn CW. However, everyone learns differently. Yet, if you combine several tools, with a proven lesson plan, anyone can learn from a mixed approach.

Ted

Date: Tue, 10 Feb 1998 12:57:24 -0500
From: "Heron, George" <G.Heron@dialogic.com>
To: QRP-L <qrp-l@Lehigh.EDU>, njqrp@njqrp.org
Subject: [3492] "Back to the Future" web page
Message-ID: <DF8C9288E968D011A5950060972035B102F938BF@mailnj.dialogic.com>
MIME-Version: 1.0
Content-Type: text/plain

In cooperation with NorCal, I wanted to point all those interested in the "Tuna Tin 2" project to the NJ-QRP Club website (<http://www.njqrp.org>) for some good material.

We're providing this as an alternate site (along with Jerry Parker's NorCal web page) for schematics, parts layout and other such "Back to the Future"-based projects. In fact some new material (the parts layout) is up there right now.

We're really pretty excited to be helping out Doug Hendricks with this nostalgic return to classic transmitters, receivers, etc. Keep on the lookout for more project installments coming along, and for more interclub co-sponsorship of these activities!

72,

--George Heron N2APB
for the NJ-QRP Club
email: g.heron@dialogic.com in Sparta, NJ

Date: Tue, 10 Feb 1998 10:28:03 -0800 (PST)
From: "S. Lee" <slee@u.washington.edu>
To: qrp-l@Lehigh.EDU
Subject: [3493] Reginald A. Fessenden, 1866-1932
Message-ID: <Pine.A41.3.95b.980210100734.13548A-100000@homer07.u.washington.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Reginald Fessenden was quite the inventor. In 1906, the year DeForest was discovering the vacuum tube, Fessenden was broadcasting voice and music (December 24, 1906). He later got into a patent dispute with DeForest over an acid coherer that Fessenden came up with (in contrast to Marconi's iron filings coherer). During WWI, Fessenden invented sonar. He's also credited with inventing insulated wiring. He was a Canadian who developed a lot of his ideas while in America. The reason being that the British empire had already put their backing behind Marconi and his radio. So Fessenden, perhaps, never received the acclaim he deserved. There's a good book which details his life:

"Radio's first voice: the story of Reginald Fessenden",
authored by Ormond Raby.
TK6545.F45 R3

Enjoy! de AB7HI, Stephen Lee, Federal Way, WA
slee@u.washington.edu

Date: Tue, 10 Feb 1998 13:23:10 -0800

From: LYN WILLIAMS <designserv@ipass.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [3494] Re: Test Equipment (signal generator)
Message-ID: <34E0C53E.6CF3C923@ipass.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

Selection of a signal generator is tied to the intended use of same. A GDO is plenty of signal generator for some purposes, and a MFJ-259 with a counter built in is the next step up. If you are going to be making measurements of stage gain or sensitivity, then you need one with well-regulated output level, a calibrated attenuator, and good shielding. If it is going to be used for checking communications receivers, then it also needs to be able to put out a modulated signal of the type the receiver needs. Certainly you do not wish to buy a generator which only works in a frequency range which you don't need.

Generators which will cover most ham frequencies with most modulation types and still be within your budget are as rare as hen's teeth! When you do find one which has the frequencies you need and has a calibrated attenuator, then you need to be careful that someone has not keyed a transmitter into the generator and shot the calibration of the attenuator. This is a very frequent happening!

This could be a good project idea whose time has come! A homebrew signal generator good enough for typical QRP projects! This should be right up the alley for some of you bright young QRP designers!

Lyn, W4WDN

Bob Bayha wrote:

> Hi Gang....
>
> While we have a tread going on on test equipment... could someone
> educate me on RF signal generators. What specs would be appropriate for
> a home (ham/qrp) test bench? Any particular flavor to keep my eyes open
> for at flea markets, etc.? Any advise would be most appreciated.
>
> 72, Bob
> K6RKB

Date: Tue, 10 Feb 1998 08:58:40 -0800
From: "Gene A. Williamson" <genewill@ordata.com>
To: qrp-l@Lehigh.EDU
Subject: [3495] RE: Slanted front project boxes
Message-ID: <3.0.1.32.19980210085840.006c1270@ordata.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Thanks to all who suggested sources (below) for slanted front project boxes. Many of the Web sites included .PDFs of their catalog pages -- very handy, indeed. I decided on Ten-Tec, who offer both a large selection and continuing inventory if I should later want to get a matching unit.

I appreciate, also, the suggestions for do-it-yourself-with-PC-boards. As soon as I can (1) saw a straight line and (2) make **repeatably perfect** solder joints, I'm game. I first used both a saw and a soldering iron forty years ago, so I should be ready Any Time Now.

DigiKey has them, check www.digikey.com or 800-344-4539

You might try HSC Electronics:
<http://shell3.ba.best.com/~hscmail/products/index.htm>

Try Tech America. They carry Pac Tec and Bud enclosures. I believe you can order a catalog online.
1 (800) 877-0072 -- www.techam.com

I was at Radar Electronics in Seattle the other day. They have a slew of Pactec slant front (top?) boxes at half price in the surplus bins out front on the bottom floor. Their number is 206-282-2511.

Try Fry's Electronics. I saw several nice slant front boxes there, and picked up one for myself.

Mouser has some nice ones at reasonable prices.

How about Ten-Tec?

72/73 Gene K7dBV

<genewill@ordata.com>

Date: Tue, 10 Feb 1998 13:58:51 EST
From: DENNISMO@aol.com
To: skrosner@mindspring.com, qrp-1@Lehigh.EDU
Subject: [3496] Re: CW Exam question
Message-ID: <98a1b9ee.34e0a36d@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

>Although I have been licensed for over 40 years, I have not been active
>operating for the last 20 or so. Needless to say, my ability to copy code
>has deteriorated. I am trying to get back up to speed and perhaps to
>upgrade from advanced to extra. I am considering using Ham University as a
>tool to practice CW. I have followed the various threads on learning CW
>and it will allow me to set up the order of learning and the speed of both
>the letters and spacing, however... it requires that you copy on the
>keyboard of the PC. I don't mind this. I type well enough. My concern
>however is will I be able to drag my laptop into a CW exam and use it to
>take the test? If not, I guess I'll have to use another program that
>allows me to copy on paper.

>Can anyone tell me if I can use my laptop to take the test? Thanks. Steve
>Steve Krosner

>K2ZPF

>Marietta, GA

>QRP-L- 941 QCWA

Hi Steve -

I use NUMORSE on the computer for code practice and It can be configured by

way of the menus to 'not' wait for keyboard inputs. I do this by setting the "DRILL" settings and un-selecting all the options available which indicate when you have inputed an incorrect character. I'm not familiar with HAM University - it may have a simular ability to set it up this way.

I would guess that the VE's will not let you use a laptop - I say this because they let me use a calculator while taking my written tests but they made me remove the batteries for a few minutes in order to delete any data stored in its memory registers.. They may want you to re-format your hard drive - hi hi. But, it may be worth checking with the VE's in your area.

Hope this helps ..

Denny KF6NJQ

Date: Tue, 10 Feb 1998 11:12:12 -0800
From: Laura Halliday <ve7ldh@direct.ca>
To: qrp-1@Lehigh.EDU
Subject: [3497] PICs and stuff (responses)
Message-ID: <34E0A68C.3A25F102@direct.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I've gotten some very interesting email about this, and am putting the design study stuff together. I think the intelligent TR switch is about right, though others have made some interesting suggestions...

Some points that have come up:

First off, *please* don't take my word for it. This works both ways: try it yourself, and if you have experience with other controllers and/or development systems (particularly for ham-related applications), please share them.

Another point: these devices aren't magic. They have both capabilities and limitations. I'd be delighted to shoehorn an OSCAR BPSK telemetry modem into one of the faster PICs, but I suspect that would take just about all the compute power it has to offer. Microchip quote 200-odd milliseconds for 256 point FFTs, which is orders of magnitude slower than "real" DSPs. So what? Ditto a couple of thousand samples per second for IIR filters. Again, so what? For the price, I'm sure I can find applications. So can you.

Finally: Basic Stamps and their clones are one of the best things since sliced bread. The notion of "graduating" from them to bare PICs is not one I accept: choose the right tool for the job and get on with it!

Stay tuned.

...laura

Date: Tue, 10 Feb 1998 12:11:40 -0700 (MST)
From: Bob Hightower <ki7mn@dancris.com>
To: DENNISMO@aol.com
Cc: qrp-1@Lehigh.EDU
Subject: [3498] Re: CW Exam question
Message-ID: <199802101911.MAA20904@user2.dancris.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 01:58 PM 2/10/98 EST, you wrote:

>I would guess that the VE's will not let you use a laptop - I say this because
>they let me use a calculator while taking my written tests but they made me
>remove the batteries for a few minutes in order to delete any data stored in
>its memory registers.. They may want you to re-format your hard drive - hi hi.
>But, it may be worth checking with the VE's in your area.

Actually, in the spirit of doing everything to accommodate the folks taking the test, VE teams will usually allow this. They will, however, want to make sure that you don't have anything in the computer that resembles an answer sheet for that test. How they are going to do this is up to them.

Positioning a proctor behind the examinee and watching the keyboard entries ought to do the trick.

73,

Bob KI7MN (ki7mn@dancris.com) Chandler, AZ
NorCal #1221 ARCI #8918 Qrp-1 #271 CQC #274 AK QRP #30 ARRL
<http://www.dancris.com/~ki7mn>

Date: Tue, 10 Feb 1998 11:31:52 -0800 (PST)
From: Stanley Wilson <microres@crl.com>
To: qrp-l@Lehigh.EDU
Subject: [3499] 18 mHz operation
Message-ID: <Pine.SUN.3.91.980210112852.8224A-100000@crl5.crl.com>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Anyone operating on 18 mhz qrp ? what kind of rig are you using ?

Copy any of the BPSK/CCW/CW stations running the beacon on 18.101 mhz ?

looks like a nice place to play with QRPP... Maybe a qrp dxcc before
the sun spot cycle really heats the band up.

de stan ak0b

Date: Tue, 10 Feb 1998 14:18:24 -0500
From: "Bob Kellogg" <ae4ic@nr.infi.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [3500] Re: EMTECH ZM-2 Comments (long)
Message-ID: <199802101941.0AA22158@mailhost.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Aw, c'mon guys, you're perfectionists! I just drilled a 1/8" pilot hole in
the center, then put a 5/8" bit in the drill press and carefully drilled
it. :-) The hole is not perfectly round, sort of hexagonal, but the S0-239
rim covers up the irregularities. Bought the 5/8" bit at Sears just for
that pupose!

Bob Kellogg, AE4IC, Greensboro, NC
Prolably, but not nececelery. -- Benny Hill

Date: Tue, 10 Feb 1998 14:55:22 -0500
From: Sam Billingsley <SBillingsley@usaninc.com>
To: "Qrp-L (E-mail)" <qrp-l@Lehigh.EDU>
Cc: rgob@tengizchevroil.com
Subject: [3501] NOGA (North Georgia QRP Group) Meeting

Message-ID: <21E06269B00ED111BE9B00805F6D0FA31686F3@MAILSERVER1>
MIME-Version: 1.0
Content-Type: text/plain

Just a reminder, the next meeting of NOGA (North Georgia QRP Group) will be Saturday, Feb 14 1998 at 11 AM in Morrisson's Cafeteria on North Druid Hills Road. Talk in on the MATPARC repeater on 145.41. Bring your questions, ideas, projects and enthusiasm. Be prepared to hear about Dayton and FDIIM!!

Date: Tue, 10 Feb 1998 14:52:13 EST5EDT
From: "Joseph street 1635" <joseph.street@comdev.ca>
To: qrp-1@Lehigh.EDU
Subject: [3502] R. Fessenden
Message-ID: <B1C0331FE1@mercury.camb.comdev.ca>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

It is interesting that this name should come up at this time. It stirs feelings of national pride (yes contrary to popular belief Canadians can be patriotic) to read about his work. Funny enough, there was an article in the February issue of our local club newsletter The Kilowatter about this very subject. Anyone interested can check it out on the Kitchener Waterloo Amateur Radio Club home page at the following.
<http://www.kwarc.on.ca/index.html>

Date: Tue, 10 Feb 98 11:56:08 PST
From: Paul Erickson <paul1@wizard.ucs.sfu.ca>
To: bog@flagstaff.az.us
Cc: qrp-1@Lehigh.EDU (qrp)
Subject: [3503] Re: FYBO fun - palmtops/TRlog?
Message-ID: <9802101956.AA19414@wizard.ucs.sfu.ca>

Hi Bruce,

It was nice to work you. I would appreciate hearing more about the hp100, and from anyone else who is using a palmtop with TRlog. Does it have a parallel/printer port? How large a log can it handle?

>
> come back- I could copy most of the contacts myself. I use a
> Hewlett-Packard HP100 with N6TR version 4.05 for logging- a QRPer's
> computer that works well and doesn't drain the station battery.
>
> 72
>
> Bruce, N7CEE
> packet: n7cee@n7cee.az.noam.us
> email: bog@flagstaff.az.us
>
>
>

Date: Tue, 10 Feb 1998 12:59:35 -0700 (MST)
From: Paul Harden <pharden@aoc.nrao.edu>
To: KB9RPD@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [3504] Re: Tuna Tin2 Construction - On the Web soon
Message-ID: <Pine.SOL.3.91.980210125523.20250A-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 10 Feb 1998 KB9RPD@aol.com wrote:
(Parts snipped)
> I am beginning my Tuna Tin project soon.
>
> As an experiment, I thought I'd provide a portion of my web page that will
> show my progress on the project.
>
> My URL is: <http://members.aol.com/kb9rpd/index.html>
>
> Once I get going with this, I'd appreciate any input anyone can give me.

Ted,
This is a great idea ... sharing with others your progress, the true
meaning of being an Elmer yourself. GL with your Tuna Tin 2.

Paul NA5N

Date: Tue, 10 Feb 1998 16:27:09 -0500 (EST)
From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [3505] Maryland Milliwatts FYBO pix (plus my mobile shack!)
Message-ID: <Pine.LNX.3.95.980210162619.7697A-100000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Updated home page (see address below).

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
* 6m 82 grids on 8w * DXCC WAS WAC * QRP-L #147 * QRP ARCI #9054 *
* <http://w3eax.umd.edu/~ham> * ARRL Life Member /Laurel ARC/UMARA *
*** 301-549-1022 h 301-982-1015 w *** 35 wpm HF mobile CW Neon ***

Date: Tue, 10 Feb 1998 14:35:28 -0600
From: Kevin Muenzler <wb5rue@stic.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>, "'microres@crl.com'"
<microres@crl.com>
Subject: [3506] RE: 18 mHz operation
Message-ID: <01BD3631.22A24840@muenzlerk.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

On microres@crl.com, Stanley Wilson[SMTP:microres@crl.com] wrote:
> Anyone operating on 18 mhz qrp ? what kind of rig are you using ?
>
> Copy any of the BPSK/CCW/CW stations running the beacon on 18.101 mhz ?
>
> looks like a nice place to play with QRPP... Maybe a qrp dxcc before
> the sun spot cycle really heats the band up.
>
> de stan ak0b
>
>
>

I've done lots of 18MHz QRP. It's an excellent, relatively low-noise band. It usually isn't very crowded either.

Kevin, WB5RUE

Date: Tue, 10 Feb 1998 13:39:39 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-1@Lehigh.EDU
Subject: [3507] FYBO Tale de AB7TT (Long)
Message-ID: <199802102039.NAA04722@usr04.primenet.com>

Howdy Folks,

Well that sure was felonious amounts of fun! 'Course with 80% of all AZ-NM QRPers converging in a small mountain town, I suppose that was a given. :-)

It's been great reading all the FYBO reports! Darn glad to hear everyone had a good time, whether you were warm and worked 10 Q's or fighting off ice weasels while bagging 80 Q's. Even better to hear all the field ops got home safe!

We ScQRPions sponsor FYBO, but it's all of you folks who actually make it happen. Thanks much for making it a fun one!

Clan Gervais decided to turn this whole adventure into a family vacation. With plenty of cold wx gear packed up and ready, we spent 4 days playing in the snow, hanging out with fellow QRPers, and even getting on the air a bit. :)

THE PILGRIMAGE TO PINETOP

Thursday afternoon we loaded the family-mobile and headed for Pinetop, AZ. Bring our first time there (we usually go to Flagstaff for snow) we weren't sure what to expect. Turned out to be very nice! We opted to stay at the Timber Lodge Motel instead of taking up Roger (N7KT) on his gracious offer to put us all up at his inlaw's mountain QTH. When you've got a herd of rugrats, you tend to play it safe with your friends' sanity. Well, what little there may be to begin with. :)

After a little snowtime with the kids, Clan Gervais headed to dinner while I nervously watched the clock. Duffey (KK6MC/5) the NM Fox was on the air - argh! But this was a family

vacation, so Foxes came second. (Argh! ;-)) But that's a story for another post....

Friday morning we loaded up the kidlettes and visited the local ranger station for hints on good sledding spots for the family. Struck gold! Brochures, maps, you name it. Off we went. Figured I could scout out a good FYBO site along the way. Our destination was a recreational area just a mile or so east of Sunrise ski resort, 30 miles east of Pinetop. Found it without a hitch, and again struck gold - not only was it a great sledding spot, it was a *perfect* FYBO site! At 9000 ft, the little hill had great views from NW to NE to SE. Large stands of trees protected the spot from the sustained 30-40 kt winds that swept the valley all weekend, and the wx would be plenty cold! Plus I could take breaks and play with the kids.

Spent the day sledding, building snow forts, tossing snowballs, all that good stuff. This was the first time the rugrats had been to the snow, and it's safe to say we'll be spending alot of time up there next year. They were having a blast! (Generally at my expense - man, those little buggers have good throwing arms on 'em!)

Finally headed back to town to get some garlic bread for the AZ-NM QRP FoodFest at Chez Hightower.

THE FEAST

Made it over to Chez Hightower as the sun went down. You've all heard the names/calls by now - it was a ton of fun! Dinner was great! The huge vat of HB spaghetti sauce (w/ lots of meat/sausage) was good enough to eat by itself (which I did ;-)).

I'd brought my ZM-2, which had decided to cop an attitude with me after working great for the first day. Figured with all those AZ-NM QRPers there, miracles would occur. Sure enough. And I learned alot too. As we traced/compared against W5VBO's ZM-1, NQ7X's modified ZM-2, and AB70A's HB ZM-2-like tuner, we slowly zeroed in on the problem. Seems that when pulling off a desoldered crimped lead from C1, I'd managed to nudge the cap *just enough* to short to the panel. A few minutes of reaming and it was all happy again. Thanks guys!!! 'Course they're catching on to me - Mike (NQ7K) pointed out that every time we all get together, I just happen to bring along a piece of gear that needs fixing.... ;-)

Paul (NA5N) was showing off a really neat little project. Guaranteed

to be first on my shopping list when it's ready!

The food was great, as was the company, but we had to get the kids to bed, so we grudgingly headed back to the motel.

THE BIG DAY

Dawn came cold and early. My dear sweet ever-suffering wife loaded the kids into the car while I inventoried my FYBO gear one last time. The plan was for them to drop me off in the wilderness and return at 7:30pm that evening to pick up what was left of me. :-)
If the wind-driven snowy wx calmed down, they'd stop by in the afternoon to do some sledding, but otherwise I was on my own 'til pickup time. Just me and whatever Nature decided to throw at me for the next 10+ hours on a 9000' hill. No retreat. FYBO indeed. :)

When they dropped me off, it was dark, windy as heck, snowing, and isolated. The Fun Meter(tm) was pegged. :-)

I'd brought two 40m lengths of wire w/ counterpoises, but only managed to get one up, running NW-SE. Was just too darn cold to do a fast job, plus the hungry trees had eaten up my fly-fishing line while putting up the first antler. ARGH! Without a longwire to the NE, I didn't have much hope of working across the Mississippi. Next time the NE-SW wire goes up first.

By the time I'd gotten on the air (late - 1700Z) the temp had risen to a balmy 30F. All my gear was wrapped up with a heavy-duty "space blanket" to keep the moisture out and catch some rays to keep it all warm. Only my knee-key and earphone cables stuck out from the odd-looking Space Burrito sitting next to me.

Tuned up with the ZM-2 and off I went! Started on 15m but couldn't hear anyone and couldn't raise anyone with my CQ's, so headed down to 20m and started working folks there. Then down to 40m for a few hours, back up to 20m, etc. Lots of fun! Bands felt very mushy, but my 130+ ft. wire was picking up sigs in AK (non-FYBO :-() and some DX I didn't recognize. Just couldn't break that Mississippi RF Wall. I did manage to hear N4ROA answering a CQ, so I QSY'd up a bit and called CQ, hoping to nab him. No joy. Worked plenty of CA/AZ/NM/WA folks throughout the day, plus started working the midwest towards the afternoon. Even worked a few of the MN QRP FYBO team. Nice cold temps up there, guys! Plus worked fellow AB7*T* Critter Randy (AB7TK) as well as good ol' Abe in SD. Spent another 30 minutes on 15m, but no action. Sounded open though.

Every QSO was lots of fun! Folks seemed light-hearted and having a good time, freezing or not. Worked several calls for the first time too - glad to see you new testers out there! Also fun to work all those milliwatters too. Nice sounding sigs!

The WX was great - cloudy enough to keep the snow glare to a minimum, but sunny enough to get the temps all the way up to the high 30's. Just sat back in my little insulated backpacking chair, working Q's and watching the crowds slowly grow on the sledding hill.

Got plenty of odd looks from folks walking by. Finally had to start explaining what I was doing, but the truth was apparently stranger than the fiction they'd been postulating, 'cause I got even more odd looks once they knew what I was actually up to. :-) Even unplugged my headphones for one little kid so he could hear the "beeps". Brought a smile to his little face. Maybe I planted the ham virus in him. ;-)

Just when it sounded like 20m was opening to the east, the family came tromping up the hill. Now how the heck can you turn down a bunch of rambunctious rugrats with sled and smiles in hand? Had to pass on the eastern Q's and play sled driver/snowball target for a few hours.

They headed back for warmth at around 2300Z, I headed back to my FYBO HQ to brave out the last several hours. The temp started dropping with the sun, and within minutes had dropped to a FYBO-loving 23F - wahoo! Slowly, ever so slowly, the temp crept down. That juicy "Below 20F" x6 multi was soon to be mine! 22F... 21F... 20.8F... 20.6F... 20.4F... 20.9F... 21F... Hey... ARGH! Much to my horror, the cloud cover had built back up and the temp slowly climbed all the way back up to 23F and stubbornly stayed put. CRUEL NATURE, WHY MUST YOU MOCK ME SO?!?

Fleetingly I thought of shoving the thermo-probe into the snow, but that would've actually *warmed* it up. I was doomed. So close yet so far. That elusive x6 multi would slip from my grasp yet another year.... But my snowcamping clothes were working beautifully. I was warm and toasty the entire day/night. Only my exposed fingertips were the least bit chilled.

The NA Sprint started in earnest. First it was just the buzzing of a lone S9+30dB sig, but soon 20m was a hornet's nest of 45wpm KWatt sigs. I retreated to 7040, only to find WE6W bravely defending a few hundred Hz of space between more KW hornets. We made the exchange (no worse than the usual Fox Hunt QRM ;-)) and I QSY'd to the 40m Novice segment. Called CQ. Called and called.

Picked up two FYBO-ers in an hour. Slim pickings. Heard one hearty FYBO op calling CQ near 7138, but he disappeared under a tidalwave of that foreign BC "Chinese Funeral Music". Hoped I'd catch him QSY, but no luck. QSY'd to 80m. Sounded open, but no FYBO ops. Couldn't flush any out either. Finished up on 40m Novice, then started breaking camp for my scheduled pickup/rescue.

THE RESCUE/PARADISE ON A PLATE

My wife smiled at me with that understanding look that says, "You're an absolute nut, but for some wierd reason I love you anyway." As pleasant as the solitude of a nighttime snowfield had been, it was good to be back. We drove to Chez Hightower/FYBO HQ to check in with the gang. Unfortunately the kids had all fallen asleep in the car! I was only able to chat for a little bit before we had to get to the kids back to the motel, but the AZ-NM crew generously loaded us up with a huge stack of best BBQ ribs this side of anywhere, some tasty tamales, and a pile of some yummy mini-chimichanga-like thingies to take back with us. Everyone had gotten back safely and war stories were being busily exchanged.

SO LONG AND THANKS FOR THE FRENCH TOAST

We'd agreed to meet at Denny's for breakfast the next morning. Kind of a nice way to say goodbye before we all scattered to the winds. More lies were told, bacon pilfered, silverware palmed, pictures taken, smiles exchanged - all the stuff we've come to expect from a gathering of the AZ-NM Crew. :-)

I sure wish we'd had more time to hang out with everyone. Kinda tough with all the kidlettes to take care of, but hopefully next year we'll do better. But, at the risk of sounding immodest, I must confess that you'll not find a nicer bunch of folks than the AZ-NM Crew at Pinetop. 'Course we missed the folks who couldn't make it this year. Maybe next time....

After breakfast, Clan Gervais headed to the sledding hill one last time. Spent an hour or so testing gravity before loading up for the final trip home.

FYBO PARTING GIFT

The drive back to Phoenix was grey and wet wet wet. But at least I didn't have to wash the car when we got home. :) As we pulled up to the house, we noticed a large box near the front door. Hey! It was the snowshoes I'd ordered from REI! One last little touch of FYBO. And I already know how I can use 'em to good effect for FYBO '99....

Final tally: 41 Q's, about 11 SPCs, x2 (batt), x4 (field), x5 (20F). Somewhere around 18,000 points and tons of fun. Thanks again to all who joined in the adventure, whether you were in the field, an unheated garage, or snug next to the fire. Sure hope you had a good, safe time and came back with some amusing stories/lies for friends and family. :-)

Cheers de AB7TT and the rest of the ScQRPions,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

Date: Tue, 10 Feb 1998 14:39:25 -0600
From: Kevin Muenzler <wb5rue@stic.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [3508] RE: CW Exam question
Message-ID: <01BD3631.B028C040@muenzlerk.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I know that as a VE I won't allow any laptops during the test session. You MUST copy the CW onto paper with some sort of writing instrument. I think that most other VE's share this opinion. But then I could be wrong.

Kevin, WB5RUE

Date: Tue, 10 Feb 1998 16:10:03 -0500
From: Stephen Krosner <skrosner@mindspring.com>
To: qrp-1@Lehigh.EDU
Subject: [3509] CW Exam question

Message-ID: <3.0.3.32.19980210161003.006b2090@mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

This list is great. I've heard from about 15 folks about using my laptop on the CW exam. There was no consensus about the legalality but there was sufficient feeling that I would be better served if I learned to copy with a pen on paper to make up my mind. The group also recommended that I just do it and get on the air...the speed will come. I will try to follow that advise so if you hear a slow, stuttering K2 wandering around, please bear with me. I'll get better (I hope). Thanks. Steve.

Steve Krosner

K2ZPF
Marietta, GA
QRP-L- 941 QCWA

Date: Tue, 10 Feb 1998 21:29:39 +0000
From: Ed Loranger <we6w@qsl.net>
To: skrosner@mindspring.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [3510] Re: CW Exam question
Message-ID: <34E0C6C3.397C@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

If I could just add an enthusiastic note:

My military training was typewriter based. When I was awarded 'C' school, we suddenly had to copy 'stick' (pencil).

I had passed 35 wpm on the silent typewriters, and had difficulty at 18 wpm on paper. But in less than a week of 2 hours a day, I was easily copying codegroups into the high 20's stick.

So my advice is, work 'em both. Be versatile. It takes reflexive response to operate at these higher speeds, and if your goal is to pass some test somewhere, then go to stick copy periodically and especially the last week or two before a test.

My personal goals is to continuously strive to excell in all aspects of CW. Bugs, straight key, paddles, heck -- two wires touching, what-ever!

Be able to operate under heavy QRM/QRN. In fact, the 2.1 KHz filters in my DRAKE TR-3 used to force me onto the OHR-100 for the fox, NOW I'm getting fox pelts despite the QRM.

Luvn' it all when it comes to CW.

What in the heck is a mic?

-Ed

--

Recipient of coveted Samuel F. B. Morse Award, NTTC Pensacola, FL 1977.
72/73 de we6w qrp es CW ONLY; Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (From Non-Ham to Extra in one Day.)

Date: Tue, 10 Feb 98 16:28:18 PST
From: gregoire@endor.com
To: ku7y@dri.edu, Low power amateur radio discusion <qrp-l@Lehigh.EDU>
Subject: [3511] RE: RTTY Contest comming
Message-ID: <Chameleon.980210163248.GREGOIRE@Gregoire.endor.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; CHARSET=us-ascii

Hello Gang,

Yeah! RTTY is coming, so check out 15 meters, and 17 too.
I just listend to the beacons and Agentina is coming
in at the S9 at the 100 mw level.

Other beacons from around the world are coming in too,
but not as storngly.

So remember bouys and gulls, there is more to
life than 20 and 40 meters.

de AA1IK,	Time the accursed enemy of man,
Ernie Gregoire	cursed youth for going to slow
	and by the old for going to fast.

R.R. 1, Box 221,	
South Rd.	Fists # 2644, ARCI # 9500

Canaan, NH. 03741 QRP-L # 95, Fly fisher & tier,
Promise Keeper.

E-mail address: gregoire@endor.com

packet address: AA1IK@WA1WOK.FN43FE.NH.USA.NA

02/10/98 16:28:18

Date: Tue, 10 Feb 1998 21:39:26 +0000
From: Ed Loranger <we6w@qsl.net>
To: vole@primenet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [3512] Re: FYBO Tale de AB7TT (Long)
Message-ID: <34E0C90E.8EA@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Joe, What a tremendous story! I felt the cold snow in my face and
I could taste the wonderful food! Pass me another Tamale!

Joe Gervais wrote:

>
> The NA Sprint started in earnest. First it was just the buzzing
> of a lone S9+30dB sig, but soon 20m was a hornet's nest of 45wpm
> KWatt sigs. I retreated to 7040, only to find WE6W bravely
> defending a few hundred Hz of space between more KW hornets. We
> made the exchange (no worse than the usual Fox Hunt QRM ;-)) and

Glad to work you! In fact I sent 5 watts, but was at 4 watts....
I had switched to the OHR-100 the last hour.

I was hiding under a HUGE QRO signal and about 600 Hz away so I
had him zeroed in my RIT. Just a little breathing and clicking
when that NA Sprinter was there. Then I hear THE JOE!

Snagged a nice qso and a "Stay warm and Dry, Joe".

>
> "If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

"Ain't it the truth, ain't it the truth!". -Cowardly Lion.

72,

Ed

--

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72/73 de we6w qrp es CW ONLY; Member: QRP-L/ARCI/Norcal/ARS/AR

<http://www.qsl.net/we6w> (From Non-Ham to Extra in one Day.)

Date: Tue, 10 Feb 1998 16:40:40 -0500

From: "W. D. (Doc) Lindsey" <70511.3041@compuserve.com>

To: QRP Discussion Group <qrp-l@Lehigh.EDU>

Cc: "Doc (W.D.) Lindsey/K0EVZ" <70511.3041@compuserve.com>

Subject: [3513] Re: EMTECH ZM-2 Comments (Long)

Message-ID: <199802101644_MC2-32C6-14D0@compuserve.com>

MIME-Version: 1.0

Content-Transfer-Encoding: 7bit

Content-Type: text/plain; charset=us-ascii

Content-Disposition: inline

Gang:

Should have written something earlier about my experiences with the ZM-2 here at K0EVZ. A large number of guys have e-mailed me with questions, so here goes. BTW, I am not an electrical engineer. So my comments will mostly be personal reflections.

It all started with the ZM-1, which arrived just in time for the FOX hunting season. Used an MFJ-259 Analyzer to tune it, etc. Sometimes used an OHR WM-1, simply for the convenience of having *it* on-line for power out measurements.

Then came the Dan Tayloe N7VE Visual SWR Indicator. Needed something lightweight and small yet effective to team up with the ZM-1 especially while operating portable. Still have them, and they are both outstanding additions to my shack. Have already found perhaps a couple of FOXes with them :-).

Always had to remember to bring coax cables to hook everything together. Don't know how many times I negligently left without cables, necessitating an emergency run to RS. Have you ever tried to use 6'-long RG-8 cables with QRP-sized gear?! They will work...but man oh man what a mess. Have to use box strapping tape to force the cable to sit still for those tiny boxes. Whew.

Roy Gregson has done it with the ZM-2. Got mine recently and it has a permanent spot at K0EVZ...fixed or portable. The tuner is small....lightweight....efficient.....very quick tuning.....effective...and with the visual swr indicator *built-in*. To me it is an outstanding travel companion. Also using it fixed for FOX hunts.

Bottom Line: DX is now noticeably easier to snag. For instance, logged 3 DXers last evening--Italy, Virgin Islands, and Argentina. Not rare, but they are in the log with 3 watts out to the GAP. Am not really an avid DXer, but I rarely ever turn any down, either <VBG>.

Believe this efficient tuner is delivering more signal to the antenna. Obviously the more signal that leaves, the more should reach the other guy. When using the new HB dipole fed with 300-ohm window line, the signal reports are consistently 1.5-2.5 S-units higher with the ZM-2.

So would I recommend it?--yep, without any hesitation. There are a number of tuners, and I use several. But the ZM-2 has a permanent place at K0EVZ. Thanks to Roy Gregson for making this product available.

Disclaimer....I have no commercial connection with Emtech, OHR, Radio Shack, or MFJ. Just a satisfied customer.

72/73,
--Doc Lindsey/K0EVZ qrp-1 861 Grid EN34
MWBC
519 16th Street SE
Rochester, MN 55904
507-289-5108 (evenings)

Date: Tue, 10 Feb 1998 16:53:00 EST
From: KB9RPD@aol.com
To: qrp-1@Lehigh.EDU
Subject: [3514] Web page ready!
Message-ID: <7147ee2b.34e0cc3e@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Well, my web page is all set. To view my page, links, and my progress on the Tuna Tin2, use this URL:

<http://members.aol.com/kb9rpd/index.html>

73, Ted - KB9RPD

Date: Tue, 10 Feb 98 11:53:59 HST
From: mike@krypton.nmr.Hawaii.Edu (Mike W. Burger)
To: qrp-1@Lehigh.EDU
Subject: [3515] QRPTTRF progressing
Message-ID: <9802102153.AA06470@krypton.nmr.Hawaii.Edu>

QRP To The Rain Forest
February 13, 14 and 15th

Our expedition to the wilds of Ho'omaluhia Botanical Garden and Park on the windward side of Oahu Island, State of Hawaii, grid BL11, is going well.

We have two complete stations lined up, one based on an Alinco DX70T and one based on an ICOM 706 Mark II, both will be running five watts.

I have two SLV's just about ready. One is a stock with the fancy 40 meter coil and a special tunable no-coil 20 meter element. The other is just about finished. It has a four foot extension that mates with the bottom to make it a "magnum SLV". Both mount over a carefully constructed radial system. We also plan to have a stock 20-10 commercial trap vertical and two long wires with tuners. We ought to be able to talk to someone!

We are going to set up Friday afternoon February 13th and be there until Sunday Morning February 15th. We hope to be on the air in time to hunt fox if there is one on Friday or Saturday. I hope to get the magnum SLV up on 80 meters and get enough wire in the long wire to load it reasonably on 160 meters. My partner is working on an 80 meter inverted V.

HST = GMT - 1000 hours. Schedules welcome for Hi/QRP or Hi/FISTS.

AH7R - Mike Burger, University of Hawaii at Manoa, Dept. of Chemistry
HI-QRP #28 - QRP-L #1053 - FISTS #3225 - BL11ch - Honolulu County

Date: Tue, 10 Feb 1998 13:58:38 -0800
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: <we6w@qsl.net>
Cc: "QRP-L" <qrp-1@Lehigh.EDU>
Subject: [3516] Re: CW Exam question

Message-ID: <01bd366f\$0af0b9a0\$309f5ecf@double_trouble.reliablemeters.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ed wrote:
>What in the heck is a mic?

Good question. My TS570D came with this little remote control thingy that you can use to tune up and down. It also has holes in the front of it, but I can't see any buttons in the holes. The manual calls it a "mic" or "mick" or something like that. Trouble is, I can't see that the remote is very useful -- first of all, it has to be plugged into the rig, unlike my TV remote control, and secondly, it has limited functions. You can only tune the rig; you can't change filters or vary the sidetone frequency, or any of the other things that you can do with the knobs on the rig. I just put it back in the box and have never used it.

"mic" must be Japanese for "limited function remote control" or something like that.

Waste of money.

Mike K1MG

Date: Tue, 10 Feb 1998 13:59:57 -0800 (PST)
From: Laird Jerman <ljerman@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [3517] RFI Help
Message-ID: <199802102159.NAA21157@germany.it.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Does anyone here have any ideas of how I can cure a problem that I am having (other than throwing the TV out), with rfi. We have a 27" GE TV that is abt 20 feet away from my shack. When the TV is turned on it wipes out my rig on 30 mtrs. Any ideas would be helpful.

Tnx Larry WA3IMF

Date: Tue, 10 Feb 1998 17:02:22
From: Roger Braker <msebrakr@telepath.com>
To: qrp-1@Lehigh.EDU
Subject: [3518] need xtal for pixie 2
Message-ID: <3.0.1.16.19980210170222.3e9f20b2@telepath.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Guys,
I called a few local(oklahama city) places looking for a xtal for my pixie 2 and nobody seems to carry them. One guy said he could make me one for \$14. Heck, the kit hardly cost that much. I havn't seen any for sale in my catalogues. Does any body know where I can find one. I know this guy that has an electronics surplus store (DW electronics for any locals) and he had a whole box of old xtals... a ton of 10.7 mhz. I got one that was about 3.579545 and a few about 27 mhz but I need one that is in the Novice sub-band. Would anybody be willing to sell me one or trade me my xtal(I've also got one for 1.932 mhz) for one in the novice sub-band? Thanks for any help.

73,
Arnold kd5ckh

Date: Tue, 10 Feb 1998 22:22:23 +0000
From: Ed Loranger <we6w@qsl.net>
To: ljerman@earthlink.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [3519] Re: RFI Help
Message-ID: <34E0D31F.68C0@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

First Disconnect the Aerial from the TV and see if you still have a problem.

If the problem is gone, it is Radiated Emissions and you'll have to physically relocate one of the antennas or do some filtering in the line by adding a good 50 MHz Hi-pass filter.

Also, it is good to find the source of the signals if radiated. Could be a bad filter inside the TV.

If the problem persists, get some CLAMP on powerline chokes or some larger Ferrite cores to wrap the powercords around. Treat both your rig and your TV. Sometimes you must cut the plug off, wrap and install a aftermarket plug after wrapping around the core.

There are lots of resources for this and I believe the ARRL has a nice RFI publication under \$5.00 US.

With my \$.02, you only need \$4.98 now. :)

-Ed

--

Recipient of coveted Samuel F. B. Morse Award, NTTC Pensacola, FL 1977.
72/73 de we6w qrp es CW ONLY; Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (From Non-Ham to Extra in one Day.)

Date: Tue, 10 Feb 1998 15:47:02 cst
From: wj5o@juno.com (William H. Hays)
To: QRP-L@Lehigh.EDU
Subject: [3520] license renewal via internet
Message-ID: <19980210.155336.14502.0.WJ50@juno.com>

Someone was asking about renewing their license on line.
The URL is-----
<http://www.fcc.gov/wtb/prod.html>

73 Bill WJ50

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 10 Feb 1998 18:19:36 -0500

From: "G.R. Widmayer" <grwidma@edcen.ehhs.cmich.edu>
To: msebrakr@telepath.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [3521] Re: need xtal for pixie 2
Message-ID: <34E0E087.11591B78@edcen.ehhs.cmich.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Arnold, I got my 80 meter crystals from HSC in Santa Clara, CA. when I orderd the Pixie II kit, they cost .87 cents each.

Freq. of the crystal is 3.574, they also carry the 40 meter crystals for \$2.75 @ 7.040 freq.

Hope this helps you,

Gary/N8AYY

HSC
408-732-1573
Fax 408-732-6428

Date: Tue, 10 Feb 1998 18:28:15
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-1@Lehigh.EDU
Subject: [3522] Who wanted the ZN414?
Message-ID: <3.0.3.16.19980210182815.261f3fbc@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Couple of months ago, someone wanted to play with a ZN414, an AM radio IF and detector in a 2N2222 case. (no longer made) I promised I'd send them a spare I have, but lost the persons name.

I just turned up the part today, looking for something else and remebered I was suppost to send it some where. So, If your the one I promised it to, let me know and will get it out, now that I know where part is. Now, where the heck is the data sheet that goes with it ???

73,
Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Tue, 10 Feb 1998 18:15:55 -0500
From: "W. D. (Doc) Lindsey" <70511.3041@compuserve.com>
To: QRP Discussion Group <qrp-1@Lehigh.EDU>
Cc: "Doc (W.D.) Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [3523] WTB:TT #285 Filtre
Message-ID: <199802101820_MC2-32D1-94E7@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Gang:

Need a Ten-Tec #285 filtre for a Corsair I. Do you happen to have an extra one lying around? Please advise. Thanks and Happy Hunting :-).

72/72,

--Doc Lindsey/K0EVZ qrp-1 861 Grid EN34
MWBC
519 16th Street SE
Rochester, MN 55904
507-289-5108 (evenings)

Date: Tue, 10 Feb 1998 23:44:09 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [3524] TRADE Viking II for GEN Cvg RCVR.
Message-ID: <34E0E649.65C7@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

My functional Viking II works well but lately I've really been hurting for a general coverage receiver.

Something like my old Sony ICF6700W, (Not the 7600). Bought it in 1978 and burglars stole it from my nightstand on March 15, 1981.

I am looking for the same receiver or something similar.

Wishes:

Double Conversion with Preselector or Triple conversion.
500 KHz to 30 MHz continuous coverage or better on the low end.
Digital Frequency display to the 100 Hz or 1 KHz.
PREFER LED, LCD display may be ok. (I hate backlighting displays.)
BFO. (Hopefully with Zerobeat Detent.
WIDE/Narrow filter.
NON Synthesized a must.
PORTABLE NICE, but smaller boatanchor with freq. display ok.
External antenna jacks.
Frequency is Stable.
Selectivity/Sensitivity as good as my old ICF6700W. (Vague, eh? :)

Deal: I pay shipping of the Viking II.
If you want the working Compatable VFO, You pay shipping
And I throw in the VFO.

Condx of Viking II:
Interior/exterior looks nice. One rectifier tube replace by diodes.
(Me)
Heck, let's talk about details. IT WORKS! Full power. 175 Watt
lightbulb sent to full brightness when used as a load.

Disclaimer: It's all I have to trade for a Gen. Coverage and I
really do need to recover from this old theft....

I hate thieves.

Please respond privately if you think we could deal.
-Ed
--

Recipient of coveted Samuel F. B. Morse Award, NTTC Pensacola, FL 1977.
72/73 de we6w qrp es CW ONLY; Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (From Non-Ham to Extra in one Day.)

End of QRP-L Digest 997

